

## HEINE DELTA 20® T LED<sup>HQ</sup> DERMATOSCOPES 10X - 16X

- 31161 HEINE DELTA 20® T LED<sup>HQ</sup> BETA 4 USB DERMATOSCOPE 3.5V (Li-ion) for polarization and immersion with rechargeable handle for mains socket and USB cable - K-262.28.388
- 31163 HEINE DELTA 20® T LED<sup>HQ</sup> BETA 4 NT DERMATOSCOPE 3.5V (Li-ion) for polarization and immersion with table charger - K-262.24.420

**Precision HEINE Optics** - high quality, achromatic optical system provides unsurpassed sharpness and resolution. Focusing system provides from 10X to 16X magnification for detection of even the smallest details and structures.

**LED in HQ** - the new standard in LED illumination defining optimal light intensity, homogeneity and colour rendering for each individual examination - Colour temperature: 5.000 K, Colour Rendering Index (CRI) > 80 on a scale of 100. This ensures true tissue colour for the most accurate diagnosis.

**Toggle between polarised and non-polarised illumination modes** - alternation between two modes with the press of a button, no exchange of contact plates necessary. Allows recognition of the "Blink Sign" when observing crystalline structures and presence of milia cysts, increasing diagnostic function.

**Optional small contact plate** for difficult to access lesions.

**Digital documentation capabilities** - SLR photo adapters connect any Delta 20 dermatoscope to major brands of digital cameras.

**LED Thermal Management** - ensure long-term performance and product stability. Carefully selected and applied heat-diffusing materials guarantee up to 50.000 hours.



Supplied with hard case, dermatoscopy compendium.

- 31162 HEINE DELTA T LED<sup>HQ</sup> DERMATOSCOPE HEAD with contact plate with graduated scale - K-008.34.221 (can be used with any Heine Beta handle). Supplied with compendium.
- 31179 SMALL CONTACT PLATE Ø 8 mm - K-000.34.205
- 31171 SLR PHOTO ADAPTOR - for Canon
- 31173 SLR PHOTO ADAPTOR - for Nikon
- 31169 ADAPTOR CORD - 1.30 m



## HEINE MINI 3000 DERMATOSCOPES

- 31184 HEINE MINI 3000 XENON-HALOGEN DERMATOSCOPE 10X - D-001.78.107

Pocket dermatoscope with high-quality optics, 10X magnification with focusing optics, metal head.

**Xenon Halogen bulb.** Concentrated, bright light for uniform illumination with exact colour rendering.

**High quality colour-neutral optic system** with achromatic lenses, provides sharp images.

**Contact plate** without scale.

Supplied with dermoscopic compendium.

Operates with AA batteries or rechargeable batteries (31693) + Mini 3000 NT charger (31692) not included.

- 31160 HEINE MINI 3000 LED<sup>HQ</sup> DERMATOSCOPE 10X - D-008-78-109 - same as 31184, with the addition of:

**High-performance bright and homogeneous LED illumination** with an excellent colour rendering (index >95). Colour temperature 4,000 K.

**Twice brighter light** compared to Xenon Halogen

**Maintenance free.**

**Fade-out function:** reduces illumination intensity with battery level to let you know when to replace.

**Up to 10 hours operation time.**

- 31692 HEINE MINI 3000 NT CHARGER - X-001.99.484

- 31693 BATTERY+BASE - X-001.99.487 + X-001.99.488



## GIMA XENON HALOGEN SKIN SURFACE MICROSCOPE 10X

- 31187 GIMA XENON HALOGEN DERMATOSCOPE 2.5 V - 10X Advanced skin surface microscope offers long-lasting halogen illumination for the true tissue colour and 10X magnification for greater details, allowing accurate diagnoses of pigmented skin lesion. Supplied in a bag, with spare autoclavable contact plate with 0-10 mm scale. Latex free.

- 32203 "C" BATTERIES - blister of 2 pcs.

- 31479 XENON HALOGEN BULB - 2.5V - spare

- 31185 SKIN LESION GAUGE - 21x5 cm

Available with your logo for min. 2,000 pcs.

### TECHNICAL SPECIFICATIONS

Battery: 2x "C" or rechargeable battery (34467) + charger (31542)  
Reticle contact plate  
Easy to focus, with large focus ring



# RIESTER RCS-100 MEDICAL DIAGNOSTIC CAMERA SYSTEM



32150  
+  
32156

MADE IN GERMANY



Portable and versatile digital diagnostic camera. Multiple lens attachments, enabling instant sharing

## • 32150 RIESTER RCS-100 WIRELESS MEDICAL CAMERA SYSTEM - without lens

RCS-100 is a multi-functional, portable and versatile medical diagnostic camera system that allows the user to quickly and efficiently capture and share images and videos to improve diagnosis, monitoring, treatment and patient care. It provides the additional benefit of capturing and sharing the digital photograph or video of the ear canal and tympanic membrane, epidermis and dermis of skin, respectively. RCS-100 can be used with: general lens, otoscope lens, dermatoscope lens and endoscope adapters.

### Features:

- 5" full HD colour TFT-LCD display 1.280 x 720 pixels provides high resolution, scalable images with 2x - 8x magnification and digital zoom capabilities
- easy to use touch screen makes it quick to capture images and videos
- rotary wheel for one-handed operation minimises the risk of cross contamination as well as the capability to adjust focus and light intensity
- simple lens connection makes changing fast and easy
- li-ion battery offers 3.5 hours of operating time
- improved communication in remote areas
- images and videos can support medical notes allowing consistent monitoring of patient
- USB connection to transfer files to PC and for charging
- UVC function allows live picture display on a second screen, so the user can show what they can see and explain in real time
- Wifi connection

Multilingual manual: GB, FR, IT, ES, DE.

### ENDOSCOPE ADAPTER

compatible with C-mount standard



32152

### GENERAL IMAGING LENS



32155

### DERMATOSCOPE LENS

with digital ruler for measurements



32154

### OTOSCOPE LENS

with pneumatic otoscopy port



32156

GIMA code	Riester code	RCS-100 ACCESSORIES
32152	13277	Endoscope adapter 4° *
32153	13278	Endoscope adapter 9° *
32154	13270	Dermatoscope lens
32155	13271	General lens
32156	13272	Otoscope lens
32158	10801-532	Disposable ear speculum Ø 2 mm - box of 10
32159	10801-534	Disposable ear speculum Ø 4 mm - box of 10

## TECHNICAL SPECIFICATIONS

<b>Device</b>		<b>Object Distance:</b>	0 mm
<b>Display:</b>	TFT-LCD 5.0" touch screen display, 1280x720 pixels with 2x-8x magnification and digital zoom automatic/manual	<b>Magnification</b>	optical: 2x digital: 4x displayed: 2x-8x
<b>Focus:</b>	8 MP	<b>Photography source:</b>	natural light LED
<b>CMOS pixels:</b>	picture: JPEG, video: MP4	<b>LED color temperature:</b>	4000K
<b>Image/video format:</b>	2G LPDDR3	<b>Size - weight:</b>	62.1x62.1x36 mm - 108.5 g
<b>RAM:</b>	16GB	<b>General lens</b>	
<b>Rom:</b>	16GB	<b>Focal length/width:</b>	2.0
<b>Extend Memory:</b>	3.6V 2600mAh 18650 li-battery	<b>Field angle:</b>	78°
<b>Battery:</b>	video 3.5 hours (fully charged battery)	<b>Depth of field scope:</b>	30mm ~ 4m
<b>Operating time:</b>	3 hours	<b>Lighting source:</b>	natural light LED
<b>Charging time:</b>	input 100~240V 50~60Hz 0.3A	<b>Magnification</b>	optical: 2x digital: 4x
<b>Adaptor:</b>	output DC 5V/2A	<b>LED colour temperature:</b>	5500K
<b>USB:</b>	OTG and type-C USB	<b>Size - weight:</b>	60.5x 60.5x19.0 mm - 66.4 g
<b>Size - weight:</b>	225x135x45 mm - 292g	<b>Otoscope lens</b>	
<b>*Endoscope adapter</b>		<b>Focal length/width:</b>	2.9
<b>Compatibility:</b>	Compatible with flexible and rigid endoscopes with diameters from 2.7mm to 10mm (two versions planned, one optimized for optics between 2.7-4mm and one for 4-10mm) from a broad range of leading manufacturers based on C-mount standard (e.g. Wolf, Storz, Olympus, Scholly)	<b>Field of view:</b>	12mm Ø field of view at 25mm distance from viewing object (with 4mm specula size) 9mm Ø field of view at 15mm distance from viewing object (with 4mm specula size) 8mm Ø field of view at 10mm distance from viewing object (with 4mm specula size) 15mm, at max object distance FOC Ø: 15mm
<b>Quick coupling:</b>	Adapter can be attached to RCS-100 and a C-Mount endoscope quickly and it's ready to use	<b>Max object distance:</b>	10mm
<b>Dermatoscope lens</b>		<b>Depth of field scope:</b>	natural light LED
<b>Focal length/width:</b>	2.2	<b>Lighting source:</b>	display: 6x
<b>Polarization:</b>	dermis / epidermis	<b>Magnification:</b>	4000 K
<b>Field of view:</b>	30mm Ø	<b>LED colour temperature:</b>	73.5x40.0x40.0 mm - 96 g
		<b>Size - weight:</b>	



## MD SCOPE VIDEO OTOSCOPE

### MD SCOPE VIDEO OTOSCOPE

#### Instant View

A clear and sharp image can be acquired and displayed instantly on a built-in screen. Just press a single button and wait for 3 seconds.

#### Real Time Interaction

Medical image can be captured and shared simultaneously to improve interaction between health professionals and patients.

#### Electronic medical record

A medical image is automatically generated to support most of the stand-alone health information system. Simply plug the cable into the video-out socket to retrieve the image.

With video  
otoscope  
MS102



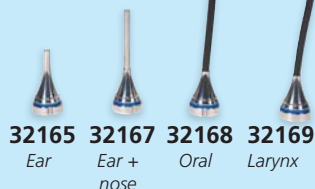
25.5x16x7 cm

32163

#### • 32163 ELITE PACK MS102

- MD Scope with
- 1 camera probe 47 mm Ø 4.2 mm
- mini USB cable set
- 12 disposable specula
- internal Li-ion battery and charging cradle
- carrying case

Detachable camera modules are designed for different examinations as needed



32165 32167 32168 32169

Ear Ear + nose Oral Larynx



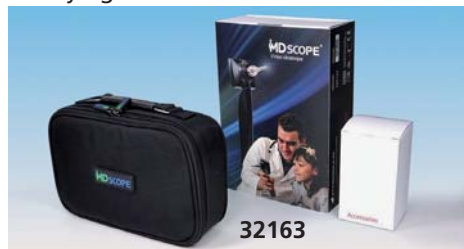
With video  
otoscope  
MS102

32171

#### • 32170 DELUXE PACK MS102 - 2 cameras

#### • 32171 DELUXE PACK MS102 - 4 cameras

- MD Scope with
- 2 camera probes 47 (Ø 4.2 mm)/150 (32170)
- 4 camera probes 47 (Ø 4.2 mm)/75/150/300 mm (32171)
- cable set: RCA cable, charging cable
- 12 disposable specula
- internal Li-ion battery
- carrying case 35x15.4x8 cm



32163

MS102

Colour  
LCD display 3"

Image freeze  
function

Video out port

Image resolution  
640x480 pixels

Brightness  
control

Direct data access  
to Mac & PC  
via mini USB

CE

FDA

US pat. n° 8206290

Size:  
9.5x8.5x21 cm

Weight:  
250 g

Image zoom  
in/out

Built-in Image  
storage:  
1,000 photos

Li-ion  
rechargeable  
battery  
lifespan: 4 hours

32163,  
32170,  
32171  
+  
32174

GIMA code	ACCESSORIES AND SPARE PARTS
32165	Camera probe 45 x Ø 5.2 mm - adult
32166	Camera probe 47 x Ø 4.2 mm - adult/child
32167	Long camera probe 75 x Ø 5.2 mm
32168	Flexible camera probe 150 x Ø 5.2 mm
32169	Long flexible camera probe 300 x Ø 5.2 mm
32172	Disposable rigid specula 37 x Ø 5 mm for 32165 - 32166 box of 250
32173	Reusable silicone specula 36 x Ø 4.2 mm for 32166 - box of 24
32175	Charging cradle for video otoscope MS 101 (32160-2)
32176	Cable set (USB and RCA cable, adaptor) for old MS 101 (32160-2)
32174	Charging cradle for video otoscope MS102

## DIGITAL Wi-Fi & USB VIDEO OTOSCOPE + SOFTWARE



32180

Basic software included for acquisition of photos, videos, google/apple applications

#### • 32180 Wi-Fi & USB VIDEOTOSCOPE with software

Innovative, handheld colour digital Ootoscope with Wi-Fi wireless transmission. Small, easy to operate, light and portable. It can be used with all the most popular smartphones, tablets and even with PC. Designed in Italy, made in China.

#### • 32188 DISPOSABLE EAR SPECULUM Ø 3.5 mm - black - box of 100

#### • 32189 DISPOSABLE EAR SPECULUM Ø 4.3 mm - black - box of 100

#### • 32192 DISPOSABLE VET SPECULUM Ø 5/6/7 mm and Ø 7/8 mm slotted for Hartmann Tweezers - kit of 5



32192

### TECHNICAL SPECIFICATIONS

Operation system:	Windows (7, 10, 11), Mac (OS X 10.7 and following), iOS, Android
Photo and video resolution:	1.3 MPixels - 1,280x1,024 (MJPG), 640x480 (MJPG), 320x240
Frame rate:	15 fps 1280x1024, 30 fps 640x480 320x240
Wi-Fi wireless transmission distance:	up to 5 m
Power consumption:	max 2.5 W
Li-ion battery:	continuous working time - approx. 2 hours, full charging time - approx. 2 hours
Power source:	DC 5.0 V / 1A
Size - weight:	Ø 36x142 mm - 88 g
Camera	
Camera sensor:	CMOS 1/4"
Optical features:	Exposure: Auto, Gamma: Auto, White balance: Auto, Black reference: Auto
Otoscope	
Magnification:	25 - 50 X
Focus range:	8-160 mm
Object distance:	1-160 mm
Light source:	4 adjustable white LED
Lens:	high definition microscopy lens
Software interface	Mic-Fi Apps for Android and iOS system and Mic-Fi softwares for PC and MAC

### STANDARD ACCESSORIES

9 disposable speculum (3x3.5, 3x4.3, 3x5.0 mm)	Plastic stand
USB AC adapter and cable	Manual (GB, FR, IT, ES, DE)
CD basic software Win (GB, FR, IT, ES, DE, UA, JP) Mac (GB)	

## HEINE OMEGA® 600 HIGH-END LED<sup>HQ</sup> INDIRECT OPHTHALMOSCOPE

### • 31755 HEINE OMEGA 600 LED INDIRECT OPHTHALMOSCOPE - C-008.33.610

Omega 600 is a binocular lightweight high-end indirect ophthalmoscope which provides best optics, sharpest image and reliable colours. Possibility to explore the whole retina, including the far periphery, and to have better diagnostic due to unique visionBOOST function. VisionBOOST allows to safely increase illumination of the device above the regular light intensity, providing up to 20% more details of the observed area, especially in patients with ocular media opacities like cataracts. Features:

- sharpest fundus image due to superior glass optics
- brightest fundus image with true colour rendering thanks to unique LED<sup>HQ</sup>
- best 3D imaging due to unique Stereoscopic Adjustment Technology in dilated and undilated pupils, even with premature and newborns
- ergonomic positioning of controls and levers
- adaptable for right and left users
- flip-up function for more convenient patient interactions
- robust design made of high quality materials
- compact lithium battery
- electronics integrated in the headband
- best wearing comfort
- latex free.

MADE IN GERMANY

Supplied with battery, +2D eyepiece, E4-USBC power supply with cable, eyepiece 0D and multilingual manual: GB, FR, IT, ES, PT, DE, NL, SE, DK, NO, FI.

**Durable faux leather padding**  
Comfortable and easy to disinfect

**Practical, cable-free headband**  
maintenance-free and easy to disinfect thanks to smooth surface.

**Ultralight lithium polymer battery**  
operating time of up to 8 hours depending on illumination intensity.

**Intuitive locking of the optics unit** simply adjust height, distance and angle

**Up to 20 % better view in media opacities with visionboost.**  
From 3 to 100 %, or even up to 245 % for cataract examinations

**Aperture selection lever**  
HEINE diffusor, small, medium and large spot



**Yellow, blue or red-free filter**  
to adjust to diagnostic needs

**Best possible 3D imaging for any pupil size and peripheral views** thanks to the Stereoscopic Adjustment Technology

**High durability** due to the sealed optics unit  
**Better view** due to non-reflective front glass optimized for our unique, maintenance-free Led<sup>HQ</sup>

#### TECHNICAL SPECIFICATIONS

Material:	plastic, metal, glass, synthetic leather
Optical system:	aspherical illumination distance
Illuminance:	560 lux at 400 mm distance 1380 lux at 400 mm distance with Boost mode
Colour temperature:	3000 K
Colour rendering index (CRI):	min. 90
LED average life:	> 60,000 hours
Working distance:	400 mm
Illuminated field:	large spot: 400 mm distance Ø 62.5 ± 2.5 mm medium spot: 400 mm distance Ø 33 ± 2 mm small spot: 400 mm distance Ø 16.5 ± 1.5 mm

Field of view:	16D lens: 43°, 20D lens: 53°, 30D lens: 63°
Brightness control:	continuous between 3 and 100% (boost: 100 to 245%)
Vertical adjustment:	between -4° and +7°
Battery:	internal Lithium polymer battery
Average working time:	up to 8 hours
Charging time:	1.5 hours
Input:	USB 2.0 Type C, 5 V, 1.2 A
Power consumption:	6 W
Size - weight:	320x300x200 mm - 475 g
Packaging size:	255x190x410 mm
Norms:	93/42/EEC, EU 2017/745 - Class I

## DIGITAL WI-FI & USB IRISCOPE WITH SOFTWARE AND CHINREST

• 32179 DIGITAL WI-FI IRISCOPE with software and stand  
Innovative handheld colour digital iriscopes with Wi-Fi wireless transmission. Small, easy to operate, light and portable.

**2 adjustable white LEDs and 2 adjustable yellow LEDs.**

It can be used with all the most popular smartphones, tablet and even PC.

**Iridology professional software** (USB mode only) compatible with Windows 7, 8, 10, 11, available in GB, IT.

Not medical device.



32179

Resolution: 5 Mpixel\*

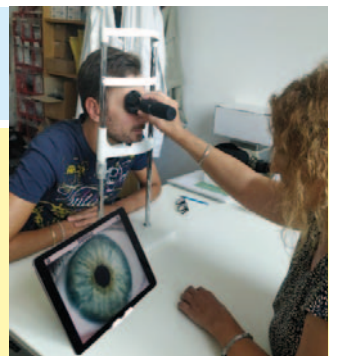
\*only by USB mode

#### STANDARD ACCESSORIES

USB AC adapter	USB cable
Ring	Chinrest
Quick manual: GB, IT	
Software for Windows 7, 8, 10, 11 (GB, IT)	

#### TECHNICAL SPECIFICATIONS

Magnification:	30x
Camera:	CMOS 1/2.7"
Light source:	2 white leds and 2 yellow leds
LED system:	3.2 V/20 ma
Resolution:	5 Mpixel in USB mode
Lens:	high definition microscopy lens
Frame rate:	15 frames/second (1280x1024), 30 frames/second (640x480) 320x240
Power supply:	Li-ion battery, DC 5.0V/1A
Working time:	continuous working, 2 hours fully charged
Power consumption:	2.5 W
Size - weight:	Ø 36x142 mm - 88 g



CHINREST INCLUDED

## HEINE BETA® 200 RETINOSCOPE

### • 31745 HEINE BETA 200 RETINOSCOPE - slit - 2.5 V - C-034.10.118

With ParaStop® for finding the neutralization point (US pat.

5,859,687): precise, easy selection of a parallel beam

- dustproof: maintenance free
  - single control for vergence and rotation: comfortable operation
  - Integrated polarisation filter: eliminates stray light and internal reflexes for a brighter pupilling reflex
  - streak or spot retinoscope: simply by changing the bulb
  - XHL (xenon halogen technology): bright, white light. Bright fundus reflex, easy recognition of neutralization point
  - ergonomic shape: protects the examiner's orbit from stray light
- Supplied in hard case with one spare bulb.


### • 31788 HEINE 130 BULB 2.5V - spare for 31745



5 YEARS WARRANTY



## HEINE ORIGINAL BULBS

HEINE BULBS	HEINE ref.	GIMA code	Compatible with following HEINE products
 Xenon 2.5 V	035	31769	Transilluminator Finoff alpha* F.O. and F.O. SP Laryngoscopes - Sanalon handle Glaucotest
 Xenon 2.5 V	037	31771	K100 and Beta* 100, Beta* 100 vet otoscopes Laryngeal mirrors F.O. mini 2000 otoscope Alpha* and Alpha F.O. otoscopes Mini/mini 3000/Alpha/Beta tongue holders
 Xenon 3.5 V	049	31787	F.O. Alpha*, Beta 100, K 100, Beta 100 vet otoscopes; Alpha*, Beta* tongue holders
 Miroflex ophthalmoscope	038	31773	Miroflex ophthalmoscope HFR2 spot retinoscope Delta*10 dermatoscope
 Fibrilux mini otoscope	041	31774	Fibrilux mini otoscope Mini 2000 combilamp Mini 1000, 2000 clilamp
 Alpha* ophthalmoscope	042	31780	Alpha* ophthalmoscope Mini 2000 ophthalmoscope Alpha* Focalux, Mini 2000 Focalux Mini Miroflex ophthalmoscope
 Minilux otoscope	056	31770	Minilux otoscope Mini 2000 otoscope
 Beta* 200, 200 M2, 200S ophthalmoscopes - XHL 2.5 V	069	31781	Beta* 200, 200 M2, 200S ophthalmoscopes - XHL 2.5 V
 Beta* 200, 200 VET, 400; K 180 otoscopes Lambda 100 retinometer Delta*10 plus dermatoscope	077	31772	Beta* 200, 200 VET, 400; K 180 otoscopes Lambda 100 retinometer Delta*10 plus dermatoscope
 Beta 200, 200 M2, 200S ophthalmoscopes - XHL 3.5 V	070	31783	Beta 200, 200 M2, 200S ophthalmoscopes - XHL 3.5 V
 Beta 200, 200 Vet, K180 otoscopes lambda 100 retinometer otoscopes - XHL 3.5 V	078	31784	Beta 200, 200 Vet, K180 otoscopes lambda 100 retinometer otoscopes - XHL 3.5 V
 K180* ophthalmoscope - 2.5 V	084	31782	K180* ophthalmoscope - 2.5 V
 Mini 3000 F.O. otoscope	105	31776	Mini 3000 F.O. otoscope
 Mini 3000 ophthalmoscope	106	31777	Mini 3000 ophthalmoscope
 Mini 3000 combilamp and clilamp - XHL 2.5 V	107	31778	Mini 3000 combilamp and clilamp - XHL 2.5 V
 Mini 3000 dermatoscope	109	31779	Mini 3000 dermatoscope
 Mini 3000 otoscope	110	31775	Mini 3000 otoscope
 Alpha*, Beta 200 retinoscopes	089	31786	Alpha*, Beta 200 retinoscopes
 Beta 200 LED/halogen retinoscopes	130	31788	Beta 200 LED/halogen retinoscopes

## WELCH ALLYN BULBS

WELCH ALLYN BULBS	W. A. ref.	GIMA code	Compatible with following WELCH ALLYN products
 00200-U	00200-U	32120	Anoscopes: 38800, 380, 385, 395 Illuminators: 41000, 26030 Old products: 235, 77900, 26000, 20100, 21600, 42700, 40510
 03000-U	03000-U	32123	Ophthalmoscope: 11710, strabismoscope: 12400, episcopes: 47300 Old ophthalmoscope: 11600, 11605, 11610 Retinoscope: 18000
 03100-U	03100-U	32124	Otoscopes: 25020, 21700, 20200 Handle: 73500, holder: 28100 Illuminators: 27000, 27050, 26530, 41100, 43300 Old otoscopes: 25000, 25200, 20000
 03300-U	03300-U	32125	Ophthalmoscope: 11511-11500
 03400-U	03400-U	32126	Otoscopes: 24011-24020-24000-24031-21110/1 Handle: 73550, Illuminators: 27200-27250-41110
 03800-U	03800-U	32127	Pan optic: 11810-11820-11800
 04100-U	04100-U	32128	Exam light: 48400-48410
 04200-U	04200-U	32129	Exam light: 48600, 48610-48625-48635, 48700
 04700-U	04700-U	32131	Laryngo: 680, 690, 692 (size 1-2) Old laryngo: 634, 664, 674, 684, 694 (check size)
 04800-U	04800-U	32132	Laryngo: 680 (size 2-4), 690, 692 (size 3-4) Old laryngo: 634, 640, 664, 674, 684, 694 (check size)
 04900-U	04900-U	32133	Ophthalmoscope: 11720, 11730, 11735, 11620, 11630
 06000-U	06000-U	32134	Laryngo handles: 60813, 60814, 60713, 60815, 60803, 60804
 06500-U	06500-U	32135	Macroview otoscope: 23810, 23820
 07800-U	07800-U	32136	Handle: 73211, 73210, 78000, 73200

## RIESTER ORIGINAL BULBS

RIESTER BULBS	RIESTER ref.	GIMA code	Bulb	Compatible with following RIESTER products
 2.7 V	10421	31850	Vacuum 2.7 V	Otoscope uni*/speculight
 2.5 V	10424	31851	XL 2.5 V	May-ophthalmoscope uni*
 3.5 V xenon	10487	31825	XL 3.5 V xenon	Otoscope ri-scope® L1
 2.7 V	10488	31852	Vacuum 2.7 V	Pen-scope® and e-scope® otoscope
 2.5 V	10489	31560	XL 2.5 V	Otoscope pen-scope®/ ri-scope® L1 and e-scope®
 2.5 V	10590	31853	XL 2.5 V	Otoscope uni*
 2.5 V	10600	31854	XL 2.5 V	Otoscope ri-mini®, ri-scope® L2/L3 and e-scope®
 2.5 V	10605	31562	XL 2.5 V	Ophthalmoscope ri-mini/ ri-scope® L1, L2, L3, e-scope®, ri-derma®
 3.5 V	10607	31855	XL 3.5 V	Ri-scope® otoscope L2, L3
 3.5 V	10608	31826	XL 3.5 V	Ri-scope® ophthalmoscope L1, L2, L3
 LED 3.7 V	14041	31561	LED 3.7 V	E-scope F.O otoscope
 LED 3.7 V	14051	31563	LED 3.7 V	E-scope ophthalmoscopes



## COMPATIBLE GERMAN BULBS

GIMA BULBS	GIMA code	Compatible with the following products
<b>LARYNGOSCOPE BULBS - MADE IN GERMANY</b>		
 Conventional laryngoscope SMALL bulb 2.7 V	34324	Gima, Riester, And, Kawe, Timesco Truphatek and most of conventional laryngoscopes in the market (generally used for blades N° 00, 0, 1)
 Conventional laryngoscope LARGE bulb 2.7 V	34325	Gima, Riester, And, Kawe, Truphatek, Timesco and most of conventional laryngoscopes in the market (generally used for blades N° 2, 3, 4)
 Xenon halogen bulb for F.O. Laryngoscope and otoscope	34485	Gima, And, Kawe and most of F.O. laryngoscopes in the market. Compatible for products that use Heine Bulb # 035
<b>OTOSCOPE-OPHTHALMOSCOPE BULBS - MADE IN FRANCE-GERMANY</b>		
 Xenon halogen otoscope bulb	31795	Heine mini 3000 otoscopes
 Xenon halogen F.O. otoscope bulb	31796	Heine mini 3000 F.O. otoscopes
 Otoscope bulb 2.5 V	31449	Parker otoscopes and some otoscopes of Riester, Timesco and Kawe
 Ophthalmoscope bulb 2.5 V	31446	Parker ophthalmoscope Parker diagnostic sets
 Xenon halogen bulb for otoscope 2.5 V	31478	Gimalux otoscopes, Kawe and Riester mini otoscopes Compatible for products that use Heine bulb #037
 Halogen bulb for ophthalmoscope and dermatoscope 2.5 V	31479	Parker halogen ophthalmoscope
 Xenon halogen ophthalmoscope bulbs 3.5 V	31428	Gima Xenon - halogen diagnostic sets - ophthalmoscope
<b>OTO-OPHTHALMO-DERMATOSCOPE BULBS - OTHER COUNTRIES</b>		
 Xenon halogen otoscope bulbs 3.5 V	31427	Gima Xenon - halogen diagnostic sets - otoscope

# HEINE MINI 3000® XHL AND LED<sup>HQ</sup> OTO AND OPHTHALMOSCOPE



## MINI 3000 F.O. XENON OTOSCOPES

Powerful pocket otoscope in a unique compact design.

- **Xenon halogen** bulbs for bright illumination and accurate colour rendering.
- **20,000 on/off switch cycles** guaranteed
- **distal Fiber Optic (F.O.) Illumination:** Reflex-free illumination of tympanum and ear cana.
- **viewing window with 3X magnification and optimized casing surface** for razor-sharp images and minimal reflection. **Swivelling viewing window built into instrument.**
- **pneumatic testing** of the tympanum mobility by using the insufflation port and an optional connector
- **attachment clip with integrated on/off switch**
- **replaceable batteries:** size AA or optional rechargeable battery (31693) with mini NT table charger (31692).
- **2-piece handle and head.** Easy to maintain, flexible. Compatible with other handles.

## MINI 3000 F.O. LED<sup>HQ</sup> OTOSCOPES

All features of F.O. Xenon otoscopes with the addition of:

- **maintenance-free**, no need to ever change the LED
- LED thermal management for a **consistent light output throughout the whole working life**
- High-performance-LED: bright and absolutely homogeneous illumination with excellent colour rendering - colour temperature 4,000°K, colour rendering index >95, and >90 rendering index of the colour red
- **twice as bright** as Xenon Halogen instruments
- **exclusive Battery Performance Indicator**
- **exclusive fade-out function** reduces illumination intensity with battery level to let you know when to replace
- **operation time up to 10 hours**

### MINI 3000 OTOSCOPES 2.5 V

	BLACK		BLUE	
	GIMA code	HEINE code	GIMA code	HEINE code
Standard	31680	D-001.70.210	31681	D-001.70.210
F.O. Xenon	31684	D-001.70.110	31685	D-001.70.110
F.O. LED <sup>HQ</sup>	31676	D-008.70.110	31677	D-008.70.110

### MINI 3000 OTOSCOPE 2.5 V - RECHARGEABLE HANDLE\*\*

F.O. Xenon	31682	D-001.70.301	-	-
F.O. LED <sup>HQ</sup>	31683	D-008.70.301	-	-

Above otoscopes are supplied in a box with 5 disposable speculum Ø 4 mm and 5 Ø 2.5 mm

### MINI 3000 OTOSCOPE 2.5 V - hard case

F.O. LED <sup>HQ</sup>	31678	D-885.20.021	-	-
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Supplied in hard case with 5 disposable speculum Ø 4 mm, 5 Ø 2.5 and 4 reusable speculum (Ø 2.4, 3, 4, 5 mm)



GIMA code	HEINE DISPOSABLE MINI EAR SPECULUM*	Minimum order
31501	HEINE dispenser for mini speculum - empty	-
31502	HEINE disposable Allspec® speculum Ø 2.5 mm - grey	dispenser of 250
31503	HEINE disposable Allspec® speculum Ø 4 mm - grey	dispenser of 250
31515	HEINE disposable Allspec® speculum Ø 2.5 mm - grey	box of 1000
31516	HEINE disposable Allspec® speculum Ø 4 mm - grey	box of 1000

\*Compatible with Heine Mini 2000/3000, K180, Beta 200, Beta 400

## MINI 3000 XENON OPHTHALMOSCOPES

Modern pocket ophthalmoscope with fixation star aperture.

- Excellent optics and best colour rendering in minimum size.
- **XHL Xenon Halogen Technology.** Concentrated bright light for perfect illumination, a brilliant image and accurate colour rendering
- **the HEINE optics produce crisp, clear images of the whole area under examination** and minimize the reflections
- **5 different apertures.** A full-function instrument incl. fixation star
- **grey filter** for light sensitive patients
- **range of lenses: 18 lenses from -20 D to +20 D**
- **easy workflow**, because ophthalmoscopy is possible without dilation of the pupils
- **attachment clip with integrated on/off switch**
- **replaceable batteries.** Size AA or optional rechargeable battery (31693) with mini NT table charger (31692).

## MINI 3000 LED<sup>HQ</sup> OPHTHALMOSCOPES

All features of Xenon ophthalmoscope with the addition of:

- **maintenance-free**, no need to ever replace the LED.
- LED thermal management for a **consistent light output throughout the whole working life.**
- high-performance-LED: bright and absolutely homogeneous illumination with an excellent colour rendering - colour temperature 4,000°K, colour rendering index >95, and >90 rendering index of the colour red.
- **exclusive battery performance indicator**
- **exclusive fade-out function** reduces illumination intensity with battery level to let you know when to replace.
- **operation time up to 10 hours.**

### MINI 3000 OPHTHALMOSCOPES 2.5 V

	BLACK		BLUE	
	GIMA code	HEINE code	GIMA code	HEINE code
Xenon LED <sup>HQ</sup>	31686	D-001.71.120	31687	D 001.71.120
	31688	D-008.71.120	-	-

### MINI 3000 OPHTHALMOSCOPES 2.5 V - RECHARGEABLE HANDLE\*\*

F.O. Xenon	31694	D-001.71.200	-	-
F.O. LED <sup>HQ</sup>	31695	D-008.71.200	-	-

### MINI 3000 OTO-OPHTHALMO SET - hard case

Xenon Set	31689	D-873.11.021	-	-
LED <sup>HQ</sup> Set	31696	D-886.11.021	-	-

Both set (Xenon or LED) include one F.O. otoscope head, one ophthalmoscope head, 2 handles, 4 reusable specula (Ø 2.4, 3, 4, 5 mm), 5 disposable specula Ø 4 mm and 5 Ø 2.5 mm in hard case.

NiMH rechargeable battery with bottom insert for Mini 3000 handles.



GIMA code	HEINE code	CHARGER AND ACCESSORIES
31691	D-000.80.101	MINI 3000 connector for pneumatic test
31692	X-001.99.484	HEINE MINI 3000 NT charger
31693	X-001.99.487 + X-001.99.488	BATTERY + BASE

\*\*Need Heine Mini 3000 NT charger (31692)



# SIGMA F.O. XENON OR LED OTO AND OPHTHALMO SETS



31527,  
31530,  
31529

31513,  
31524,  
31525,  
31526

FIBRE OPTIC  
OR F.O. LED

High quality pocket diagnostic instruments designed for professional use in ENT and ophthalmoscopy. Light weight and manufactured from impact resistant re-enforced plastic. Supplied in deluxe rigid plastic case or pouch with multilingual manual (GB, FR, IT, ES, PT, DE, GR, PL, RO, Arabic). Sigma otoscopes are compatible with Gima mini speculum (31485-8, 31491-2, 31495-9).

## Sigma otoscopes

High quality materials and top-notch workmanship ensure excellent reliability in every examination.

- swivel type window with 3X magnification lens for sharp images and minimal reflection
- distal fibre optic illumination with super bright Xenon/Halogen or LED light
- insufflation port for pneumatic testing of tympanic mobility (optional connector port 31532 and insufflation bulb 31483)
- standard or rechargeable handle. Optional metal endcap (31588) can convert any standard Sigma handle into rechargeable version.

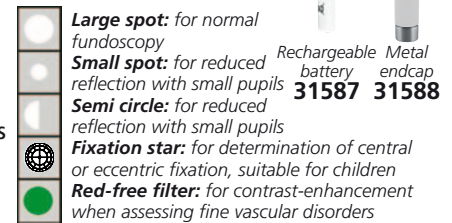
## Sigma ophthalmoscopes

High quality optics in mini format makes this instrument ideal for house calls and rounds.

- super bright Xenon-Halogen or LED light
- 5 different apertures for almost all ophthalmic examinations
- range of lenses from -20 D to +20 D

+	1	2	3	4	6	8	10	15	20
-	1	2	3	4	6	8	10	15	20

Colour coded 18 lenses  
for excellent resolution



**Large spot:** for normal funduscopy

**Small spot:** for reduced reflection with small pupils

**Semi circle:** for reduced reflection with small pupils

**Fixation star:** for determination of central or eccentric fixation, suitable for children

**Red-free filter:** for contrast-enhancement when assessing fine vascular disorders

Rechargeable battery 31587  
Metal endcap 31588

## SIGMA F.O. OTOSCOPES AND OPHTHALMOSCOPES 2.5V - standard handle

OTOSCOPES*			OPHTHALMOSCOPES		Type	Packing
Black	Blue	Purple	Black			
31524	31523	31511	31530		Xenon-Halogen	Pouch
31525	-	-	31527		Xenon-Halogen	Case
31513	-	-	-		LED	Pouch
31526	31518	-	31529		LED	Case
SIGMA F.O. LED OTOSCOPE AND OPHTHALMOSCOPE 2.5V - rechargeable** handle with battery						
31580	Otoscope with rechargeable handle and battery - black				LED	Pouch
31582	Ophthalmoscope with rechargeable handle and battery - black				LED	Pouch

\*Otoscope sets are supplied with 14 disposable specula (7 with Ø 2.5 mm, 7 with Ø 4 mm)

\*\*Rechargeable handle can be used with "AA" standard batteries or rechargeable battery code 31587 (needs charging station code 31586)  
Full battery charge in 2.5 hours. Charging station can be connected to PC or laptop via standard Type C USB cable (not included)

GIMA code	SIGMA F.O. OTO-OPHTHALMOSCOPE SETS*** 2.5V - black	Type	Packing
31533	Oto-ophthalmoscope set with 1 handle	Xenon-Halogen	Case
31528	Oto-ophthalmoscope set with 2 handles	Xenon-Halogen	Case
31534	Oto-ophthalmoscope set with 2 handles	LED	Case
31584	Oto-ophthalmoscope set with 2 rechargeable handles and batteries	LED	Case

\*\*\*Oto-ophthalmo sets are supplied with oto and ophthalmo head, 1 handle (31533) or 2 handles (31528, 31534, 31584), 14 disposable specula (7 with Ø 2.5 mm, 7 with Ø 4 mm), 2 rechargeable batteries (31584)

GIMA code	SPARES AND ACCESSORIES	GIMA code	CHARGING SYSTEM
34485	Otoscope bulb - Xenon-Halogen 2.5 V	31586	Charging station
31531	Ophthalmoscope bulb - Xenon-Halogen 2.5 V	31587	Rechargeable battery - spare
31532	Pneumatic connector port	31588	Metal endcap
31483	Insufflation bulb		



31511



31518



31527,  
31529



31533



31528,  
31534, 31584



31586  
Charging station

## SIGMA-C LED OTOSCOPES

- 31591 SIGMA-C LED OTOSCOPE - black - pouch
- 31592 SIGMA-C LED OTOSCOPE - blue - pouch
- 31593 SIGMA-C LED OTOSCOPE - purple - pouch

- made of light weight impact resistant re-enforced plastic and highly corrosion resistant stainless steel material for exterior finish

- swivel type window with 3X magnification lens for sharp image and minimal reflection

- optional insufflation port for pneumatic testing of tympanic mobility (needs codes 31532 and 31483)

- compatible with Gima ear specula 31485-8, 31491-2, 31495-9

- 50.000 hours lifetime

- extended battery life of 50 hours

- colour temperature 5,800 K, CRI>78 ensures real colour.

Supplied in a pouch with 14 specula (7x2.5 mm, 7x4.0 mm) in transparent tube



31591

31592

31593

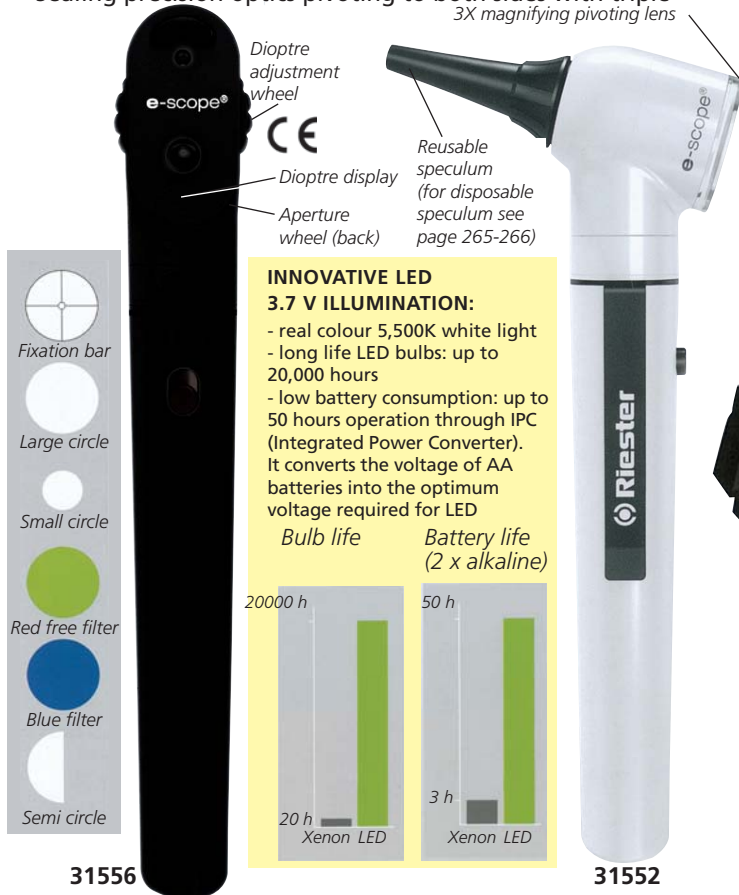
Multilingual manual:  
GB, FR, IT, ES, PT, DE,  
GR, RO, PL, Arabic.

31591

## E-SCOPE®: RIESTER OTO-OPHTHALMOSCOPES

- 31546 E-SCOPE® OTOSCOPE - HALOGEN 2.7V - white in pouch
  - 31548 E-SCOPE® OTOSCOPE - HALOGEN 2.7V - black in pouch
  - 31549 E-SCOPE® OTOSCOPE - XENON 2.5V - white in pouch
  - 31550 E-SCOPE® OTOSCOPE - XENON 2.5V - black in pouch
  - 31552 E-SCOPE® F.O. OTOSCOPE - LED 3.7V - white in rigid case
  - 31553 E-SCOPE® F.O. OTOSCOPE - LED 3.7V - black in rigid case
- Halogen, direct Xenon or F.O. LED illumination otoscopes.  
Sealing precision optics pivoting to both sides with triple

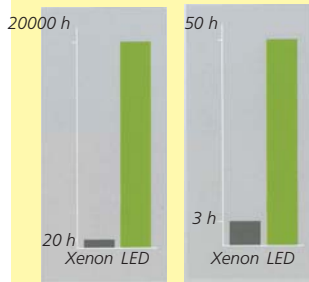
3X magnifying pivoting lens



### INNOVATIVE LED 3.7 V ILLUMINATION:

- real colour 5,500K white light
- long life LED bulbs: up to 20,000 hours
- low battery consumption: up to 50 hours operation through IPC (Integrated Power Converter). It converts the voltage of AA batteries into the optimum voltage required for LED

Bulb life Battery life (2 x alkaline)



magnification for superior view

Suitable for performance of pneumatic tests (supplied without connector and insufflator)

- 31556 E-SCOPE® OPHTHALMOSCOPE - XENON 2.5 V - black - in rigid case
- 31557 E-SCOPE® OPHTHALMOSCOPE - F.O. - LED 3.7 V - white - in rigid case
- 31559 E-SCOPE® OPHTHALMOSCOPE - F.O. - LED 3.7 V - black - in rigid case

E-scope ophthalmoscopes are available with Xenon or LED illumination.

- with 2.5V Xenon or innovative 3.7V LED illumination 31550 for higher-contrast and more efficient diagnosis
- dioptr disc with 18 corrective lenses ( $\pm 1, 2, 3, 4, 6, 8, 10, 15, 20$ )
- easy-to-use aperture wheel with six apertures (fixation star, large circle, small circle, red free filter, blue filter, semi circle)
- high performance optics with aspherical condenser
- spectacle protection
- parallel optical path

MADE IN GERMANY



- 31558 E-SCOPE® DIAGNOSTIC KIT - white
- 31564 E-SCOPE® DIAGNOSTIC KIT - black
- Oto-ophthalmoscope sets, LED 3.7V, in rigid case.
- 31560 E-SCOPE® OTOSCOPE - XENON 2.5 V BULB
- 31561 E-SCOPE® OTOSCOPE - LED 3.7 V BULB
- 31562 E-SCOPE® OPHTHALMOSCOPE - XENON 2.5 V BULB
- 31563 E-SCOPE® OPHTHALMOSCOPE - LED 3.7 V BULB
- 31817 RIESTER® EAR SPECULUM Ø 2.5 mm - autoclav. - box of 10
- 31819 RIESTER® EAR SPECULUM Ø 4 mm - autoclav. - box of 10
- 31566 E-SCOPE® EAR SPECULUM Ø 2.5 mm - disposable - box of 100
- 31567 E-SCOPE® EAR SPECULUM Ø 4 mm - disposable - box of 100

## LUXAMED AURIS LED OTOSCOPES



- 31570 LUXAMED AURIS LED 2.5V OTOSCOPE - black
  - 31571 LUXAMED AURIS LED 2.5V OTOSCOPE - blue
  - 31572 LUXAMED AURIS LED 3.7V USB OTOSCOPE - black
- Innovative otoscopes that combine best handcraft production with selected materials with the most modern technology. Two-components handle (aluminium/fibre-glass reinforced) with electronic ON/OFF switch and dimmer.

Features:

- LED-Ring illumination with 6 LEDs (concentric), no fibre optic. The functionality is not affected (patent DE202013104278U1) if a single LED fails.

LUXAMED®

- automatic switchoff after 3 minutes
- approx. 100,000 hours life expectancy of LEDs
- approx. 10,000 Lux intensity of illumination
- approx. 4,000 K colour temperature
- pivoting 3-fold magnifying glass with locking function
- insufflation port for pneumatic test.

Supplied with 2xAAA alkaline batteries (31570/1) or lithium-ion rechargeable battery 3.7V (31572) 20 disposable ear funnels (10x2.5 mm and 10x4.0 mm) and manual (GB, IT, DE). See page 266 for compatible ear speculum.

MADE IN GERMANY



Recharger with USB plug - 3 adapters (EU, UK, US)



## RIESTER ELITEVUE



- 31860 RIESTER ELITEVUE LED OTOSCOPE 3.5 V - 2200-203
  - 31863 RIESTER ELITEVUE LED OTO-OPHTHALMO 3.5 V - 2210-203
- Both with C-handle for rechargeable Li-Ion battery EliteVue offers twice the field of view and 66% greater magnification (at 15 mm distance) compared to standard otoscopes. Improved view of auditory canal and tympanic membrane guarantees more efficient diagnosis. Suitable for throat illumination. 4,000 K LED illumination (CRI: 92). 5X magnification.
- 31840 RI-CHARGER L 230 V - 10705
  - 31841 RI-ACCU L 3.5 V Li-Ion BATTERY for "C" size - 10691

## HEINE K180 OTO-OPHTHALMO



- 31740 HEINE K180 - F.O. OTO-OPHTHALMO SET - 2.5 V - A-279.10.118
- Otoscope and ophthalmoscope K180 with BETA battery 2.5 V handle and a set of single use specula. Supplied in hard case.
- 31782 HEINE 084 OPHTHALMO BULB 2.5 V - spare - X-001.88.084
  - 31772 HEINE 077 OTOSCOPE BULB - spare - X-001.88.077
  - 31741 HEINE K180 OPHTHALMOSCOPE - 2.5 V C-182.10.118
- 28 lenses from -35D to +40D supplied in pouch



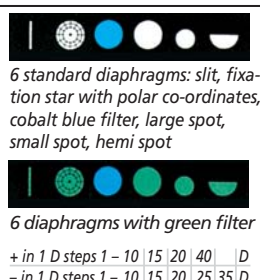
## HEINE BETA 200 F.O. OTOSCOPES



- 31725 HEINE BETA 200 F.O. OTOSCOPE - 2.5V - B-141.10.118
- F.O. Otoloscope with BETA battery 2.5V handle with rheostat, a set of single use specula, a set of reusable specula and a spare bulb. Supplied in hard case. Solid all metal construction, a quality instrument with fibre optic illumination.
- 31772 HEINE 077 OTOSCOPE BULB - spare - X-001.88.077
  - 31784 HEINE 078 OTOSCOPE BULB - X-002.88.078

- 31728 HEINE BETA 400 LED F.O. OTOSCOPE - B-143.24.420
- Exclusive 4.2X magnification. LED in HQ with continuous brightness control. All metal housing and scratch resistant glass lenses. Colour temperature: 3,500 K. Colour rendering index (CRI) >97. Exceptional depth of field, provides sharp spatial image. LED otoscope with rechargeable handle supplied with 4 reusable speculum, 5 of both All Spec disposable speculum 2.5 and 4 mm Ø in a case with NT4 table charger (34374).

## HEINE BETA 200 AND 200S OPHTHALMOSCOPES



- 31730 HEINE BETA 200 HALOGEN OPHTHALMOSCOPE - 2.5 V - C-144.10.118
- The unique aspherical optic system eliminates corneal and iris reflexes. The illuminated area of the retina remains fully visible even in case of small pupil (bright light). BETA 200 has 6 diaphragms with separately "green filter". It is recommended for small or expanded pupils; suitable for slit or fluorescent ophthalmoscopy as well as for fixation test. Range -35D to +40D. Supplied in hard case with replacement bulb.
- 31731 HEINE BETA 200 F.O. OPHTHALMOSCOPE - 3.5 V Li-ion - C-144.27.388
- Same as 31730 but with USB rechargeable handle for mains socket and Li-ion batteries.
- 31783 HEINE 070 OPHTHALMOSCOPE BULB 3,5 V - X-002.88.070

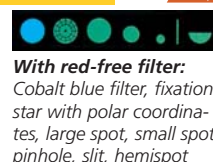
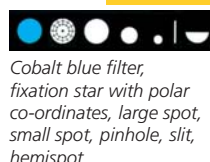


- 31735 HEINE BETA 200S OPHTHALMOSCOPE - 2.5 V - C-261.10.118
- 31781 HEINE 069 OPHTHALMO BULB - 2.5 V - spare - X-001.88.069
- 31737 HEINE BETA 200S LED OPHTHALMO - 3.5 V with USB rechargeable handle - C-261.28.388

Superior aspherical optics and 74 single-diopter steps - optical system: corneal and iris reflexes are eliminated. A full view is guaranteed even with small pupils.

- XHL (Xenon Halogen Technology) or LED: bright, white light.
- recessed, multi-coated viewing window: avoids stray light.
- optics mounted on precision metal chassis.
- ergonomic shape: instrument fits the orbita comfortably in any position.
- 7 apertures with separate red-free filter:
- lens range: perfect focus even with high refractive errors.
- exact colour rendering both with XHL and LED illumination

MADE IN GERMANY



74 single diopters steps  
+ in 1 D steps: +1  
through +38 D  
- in 1 D steps: -1  
through -36 D

## VISIO 5 HQ WALL DIAGNOSTIC STATIONS 3.5 V - XENON OR LED

### VISIO 5 HQ WALL DIAGNOSTIC STATIONS 3.5 V

Modern design diagnostic stations to satisfy all practitioners and clinics needs. Two configurations available:

- oto-ophthalmoscope with disposable ear tip dispenser
- oto-ophthalmoscope with ear tips dispenser, thermometer, B.P.M.

Two ophthalmal heads with 7 or 21 apertures

Two illumination technologies: LED or Xenon-Halogen.

Regulated output prolongs the bulb life and guarantees

optimal light intensity

- ergonomic designed non-slip handles
- constant output transformer with integrated surge protection
- soft start technology to introduce voltage gently, eliminates cold-shock when turning ON, increasing bulb life
- adjustable light intensity, low power consumption
- automatic ON-OFF switch once the handle is removed or replaced in the cradle
- precise brightness control, between 3 and 100%
- spiral cord of 3 meters

Supplied with  
multilingual  
manual:  
GB, FR, IT, ES.



AVAILABLE WITH  
5XE OR 5GE  
OPHTHALMO HEAD



#### 7 APERTURES

Small light

Medium light

Large light

Grid

Slit

Half light

Red free light\*

Blue light\*\*

\*5GE (31620-1  
31624-5 only)

#### 3 FILTERS\*\*

Polarizing filter

Neutral light

Red free filter

\*\*5XE (31622-3 only)

5XE: 21  
APERTURES

5GE: 7  
APERTURES

31622-3

31620-1  
31624-5

#### TECHNICAL SPECIFICATIONS OPHTHALMOSCOPES

Apertures 31620-1 31624-5 31622-3

Focusing lenses 7 21\*\*

Diopters range 28 68

Visio 5XE HQ additional features (31622-3)

Coaxial optics for easier examination of undilated pupils

Detection of corneal abrasions with cobalt blue filter

Polarizing filter to virtually eliminate corneal reflection

\*\* 7 apertures / 3 filters combination

GIMA code	VISIO 5 HQ DIAGNOSTIC STATIONS
31620	Visio 5GE HQ Basic oto-ophthalmo diagnostic station* - Xenon
31621	Visio 5GE HQ Basic oto-ophthalmo diagnostic station* - LED
31622	Visio 5XE HQ oto-ophthalmo diagnostic station* - Xenon
31623	Visio 5XE HQ oto-ophthalmo diagnostic station* - LED
*Include power transformer, 2 handles, oto-ophthalmo heads, dispenser with 100 disposable grey speculum (50 Ø 2.5 mm, 50 Ø 4 mm), wall board for easy mounting or removal of diagnostic station.	
31624	Visio 5GE HQ Premier oto-ophthalmo diagnostic station** - Xenon
31625	Visio 5GE HQ Premier oto-ophthalmo diagnostic station** - LED
** Same as 31620-23 with blood pressure meter and thermometer	
ACCESSORIES AND SPARES	
31428	Xenon bulb for ophthalmoscope - spare
31544	Xenon bulb for otoscope - spare
31485	Disposable mini ear speculum Ø 2.5 mm - grey - box of 100
31486	Disposable mini ear speculum Ø 4 mm - grey - box of 100

## VISIO 2000 F.O., XENON OTO, OPHTHALMO, ENT SETS - 3.5 V

Professional diagnostic sets with fiber optic illumination, Xenon light 3.5 V, rheostat to adjust the intensity of light. Made of resistant re-inforced plastic and durable easy locking system.

Supplied in deluxe case, should be used with charging station 31542 and Li-ion rechargeable battery 31541. Only plug-in set (31537) has direct AC connection and included battery (31547).

#### • 31535 VISIO 2000 F.O. XENON OTOSCOPE - 3.5 V

#### • 31536 VISIO 2000 F.O. XENON OPHTHALMOSCOPE - 3.5 V

#### • 31537 VISIO 2000 F.O. XENON OTO-OPHTHALMOSCOPE

PLUG-IN SET - 3.5 V - 2 pin plug

#### • 31538 VISIO 2000 F.O. XENON OTO-OPHTHALMO PLUG-IN SET - 3.5 V

#### • 31539 VISIO 2000 F.O. XENON DIAGNOSTIC SET - 3.5 V

#### • 31428 OPHTHALMOSCOPE BULB - spare

#### • 31544 OTOSCOPE BULB - spare

#### • 31541 LI-ION RECHARGEABLE BATTERY 3.5 V

#### • 31547 LI-ION RECHARGEABLE BATTERY 3.5 V

for PLUG-IN HANDLE SET 31537- spare

#### • 31542 ZOOM CHARGING STATION

Supplied with EU 2 pin, UK and US plug. See page 377

COMPATIBLE MINI EAR SPECULA: 31485-8, 31491-2, 31495-9 page 266



#### F.O. Xenon otoscope set 3.5 V 31535

F.O. otoscope head, battery handle with bayonet lock, 1 set of 5 reusable eartips (2.5, 3.0, 4.0, 5.0 & 10.0 mm), tube of 14 disposable eartips (2.5 & 4.0 mm), spare bulb, in a rigid case.

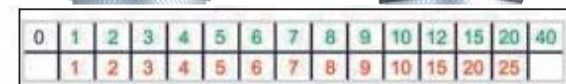
#### F.O. Xenon ophthalmoscope set 3.5 V

31536 F.O. ophthalmal head, battery handle with bayonet lock, spare bulb, in a rigid case.



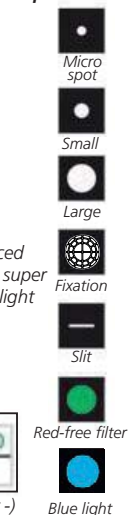
#### F.O. Xenon oto/ophthalmo plug-in set 3.5 V 31537

F.O. otoscope head, F.O. ophthalmal head, battery handle with bayonet lock and plug-in, 1 set of 5 reusable eartips (2.5, 3.0, 4.0, 5.0 & 10.0 mm), tube of 14 disposable eartips (2.5 & 4.0 mm), spare oto and ophthalmal bulbs, rechargeable Li-ion battery 31547, in a rigid case.



Colour coded 28 lenses for perfect examination (GREEN for +, RED for -)

#### 7 apertures:



#### F.O. Xenon oto/ophthalmo set 3.5 V 31538

F.O. otoscope head, F.O. ophthalmal head, 2 battery handles with bayonet lock, nasal illuminator with F.O. light, 1 set of 5 reusable eartips (2.5, 3.0, 4.0, 5.0 & 10.0 mm), tube of 14 disposable eartips (2.5 & 4.0 mm), spare oto bulb, suitable also for nasal illuminator, and ophthalmal bulb, in a rigid case.



#### F.O. Xenon ENT diagnostic set 3.5 V 31539

F.O. otoscope head, F.O. ophthalmal head, battery handle with bayonet lock, nasal illuminator with F.O. light, curved illuminator with bulb, plain mirror 20.0 mm, plastic tongue depressor, 1 set of 5 reusable eartips (2.5, 3.0, 4.0, 5.0 & 10.0 mm) tube of 14 disposable eartips (2.5 & 4.0 mm), spare oto and ophthalmal bulbs, in a rigid case.



# RI-FORMER® THE MODULAR DIAGNOSTIC STATION 3.5V



## RI-FORMER MODULAR DIAGNOSTIC STATION

The modular diagnostic station can be individually combined according to requirements and the room situation, it is variably extendable to the right and the left.

The basic Ri-former® module is available with one handle and can be supplemented with up to 4 further handle modules.

- 3.5V Xenon or LED illumination creates lighting conditions similar to daylight

- optimum electronic efficiency using an adjustable dimmer

- constant output voltage independent from the mains supply prolongs the service life of the lamps and guarantees optimum light intensity

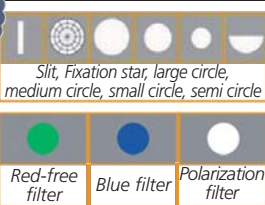
- automatic switching on/off of handles when removing or replacing them in the handle unit saves energy and increases the service life of the lamps

- non-slip, ergonomically designed handles with rheostat: infinitely variable regulation of brightness as well as manual switching on/off possible on the handle

- spiral cord expandable up to 3 m



GIMA code	MODULAR DIAGNOSTIC STATION - XENON - 100-240V, 50/60 Hz
31800	Ri-Former Diagnostic station 3.5 - standard (include 2 handles, oto and ophthalmoscope head, ear specula dispenser, clock)
31805	Ri-Former Diagnostic station 3.5 - large (include 31800 + sphygmo)
GIMA code	MODULAR DIAGNOSTIC STATION - LED - 100-240V, 50/60 Hz
31801	Ri-Former Diagnostic station 3.5 - standard (include 2 handles, LED oto and ophthalmoscope head, ear specula dispenser, clock)
31806	Ri-Former Diagnostic station 3.5 - large (include 31801 + sphygmo)
GIMA code	RI-FORMER MODULES - 100-240V, 50/60 Hz
31807	Basic diagnostic station 1 handle 3.5 - 3652
31808	Basic diagnostic station 2 handles 3.5 - 3652-300
31809	Basic diagnostic station 1 handle 3.5 - 3650
31810	Extension module 1 handle - 300
GIMA code	RI-FORMER HEADS, THERMOMETER AND ACCESSORIES
31811	Ri-scope L2 otoscope head - Led 3.5V - 10565
31812	Ri-scope L1 otoscope head - Xenon 3.5V - 10563
31813	Ri-scope L1 ophthalmoscope head - Xenon 3.5V - 10569
31814	Ri-scope retinoscope head - Xenon 3.5V - 10544
31815	Ri-scope dermatoscope head - Led 3.5V - 10577
31817	Ri-scope L1, L2 ear speculum Ø 2.5 mm - autocl. 134°C - box of 10
31819	Ri-scope L1, L2 ear speculum Ø 4 mm - autocl. 134°C - box of 10
31827	Ri-scope L1, L2 ear speculum Ø 2.5 mm - disposable - box of 100
31828	Ri-scope L1, L2 ear speculum Ø 4 mm - disposable - box of 100
31820	Ri-spec ear specula dispenser - specula not included - 3654
31822	Sphygmomanometer with basket - LF3655-109
31823	Ri-thermo N infrared thermometer with 40 covers 3656
31824	Probe cover for 31823 - box of 100 - 12704 - spare
31825	Xenon L1 otoscope bulb 3.5V - 10487 - spare
31826	Xenon ophthalmoscope L1, L2, L3 bulb 3.5V - 10608 - spare



**Riester**

## RI-SCOPE® L: LED + Li-ion BATTERIES



**LED illumination: bright, white light with a nearly unlimited lifetime!** With its monochromatic white light (4,000° Kelvin) the lamp in the ri-scope®L provides cold light and true-colour. CRI > 90. Lamps with LED technology have a lifetime of at least 10,000 hours (compared to 20-30 hours with halogen and Xenon lamps).

### Li-ion batteries for great power

Higher charging capacity, longer lifetime, light-weight are the big advantages of Li-ions batteries. High performance for up to 1200 charging cycles. LEDs powered by lithium batteries can burn for up to 50 hours.

• 31831 RI-SCOPE L XL OTOSCOPE L2 - 2.5 V - C handle - 3716

• 31829 RI-SCOPE L LED OTOSCOPE L2 - 2.5 V - AA handle - 3708

• 31830 RI-SCOPE L LED OTOSCOPE L2 - 3.5 V - C handle - 3703-550

Ri-scope®L otoscopes with optical glass and reduced reflection combine excellent optical properties and unparalleled performance with the reliability and efficiency of LED/lithium-ion technology (31830 only).

- optimal beaming and transmission of the light

- bi-directional swivelling, sealing optical glass 3X

- suitable for pneumatic test (supplied without ball)

- C handle runs Li-ion batteries, not included.

Supplied in deluxe hard case with 10 ear specula.

Code 31831/2/4\* also include spare bulb. \*Only for ophthalmoscope

Spare ear speculum: original 31817-31819 (autoclavable) or 31827 - 31828 (disposable). Compatible 31485 to 31499 (disposable) page 266

### • 31832 RI-SCOPE L2 XENON OPHTHALMOSCOPE - 3.5 V

Enhanced basic model with separately engageable red-free, blue and polarization filters for each aperture.

- Diopter wheel with 29 corrective lenses Plus 1-10, 12, 15, 20, 40 Minus 1-10, 15, 20, 25, 30, 35

- Easy-to-operate aperture hand-wheel with semi-circle, small/medium/large circle, fixation star, and slit

- Includes filter wheel engageable for all apertures with symbol display, red-free filter, blue filter and polarization filter

### • 31834 RI-SCOPE L LED OTOSCOPE L2 + XENON OPHTHALMOSCOPE L2 3.5 V - C handle

• 31826 XENON L1/L2/L3 OPHTHALMOSCOPE BULB 3.5 V - spare

• 31841 RI-ACCU L 3.5 V Li-ion BATTERY

for "C" size - 10691

• 31840 RI-CHARGER L 230 V

MADE IN GERMANY

Table recharge station (with wall holder) recharge 2 "C" handles with Li-ion batteries.



31840

## GIMA OTOSCOPES: PARKER LINE

VETERINARY OTOSCOPES AND SETS SEE PAGE 441-442



31440

### PARKER OTOSCOPES

- reliable and indestructible high quality instrument
- suitable for everyday ear nose and throat examinations
- easily adjustable 2.5 V vacuum light (made in Germany)
- quality 3 times magnifying lens
- available with Plug in and snap (bayonet locking) or knurled screw type otoscope heads
- ideal for pneumatic tympanic membrane tests, can also be used for rhinoscopic examinations
- supplied with 3 autoclavable ear funnels in a colour coordinated zip bag.
- All latex free.
- require 2xC batteries (not included) 31542
- 31441 also works with rechargeable battery



GIMA code	PARKER OTOSCOPES	Connection system	Ear Funnels
31435	Parker colour - green	Bayonet	Ø 2.5, 3.5, 4.5 mm
31436	Parker colour - blue	Bayonet	Ø 2.5, 3.5, 4.5 mm
31437	Parker colour - yellow	Bayonet	Ø 2.5, 3.5, 4.5 mm
31440	Parker - black	Screw	Ø 2.5, 3.5, 4.5 mm
31441	Parker with rechargeable handle	Bayonet	Ø 2.5, 3.5, 4.5 mm
31442	Parker veterinary - black	Screw	Ø 4, 5, 7 mm
31449	Spare bulb 2.5 V for Parker otoscopes 31435-6-7, 31440-1-2		
31542	Charging station for 31441 see page 377		
34467	Rechargeable Li-ion battery 2.5 V / 2,200 mAh		

31442

31436

31437

31435

## PARKER DIAGNOSTIC SETS

### • 31471 PARKER DIAGNOSTIC SET

Lightweight, rigid case with one Parker otoscope 2.5 V with rechargeable handle, 3 autoclavable ear speculum (Ø 2.5, 3.5 and 4.5 mm), 2 laryngeal mirrors (size 3 and 4), bent arm throat lamp, tongue spatula, adjustable nasal speculum.

• 31473 PARKER LARGE SET WITH OPHTHALMO Same as code 31471 with an ophthalmoscope head, support for single use tongue depressors and 1 tube of 14 single use specula (7x Ø 2.5, 7x Ø 4 mm).

• 31446 VACUUM BULB FOR OPHTHALMOSCOPE

• 31449 VACUUM BULB FOR OTOSCOPE

• 32203 "C" ALKALINE BATTERIES - blister of 2 pcs

• 34467 RECHARGEABLE LI-ION BATTERY 2.5 V - needs 31542



31471



31473

## LED OTOSCOPE - PEN LIGHT

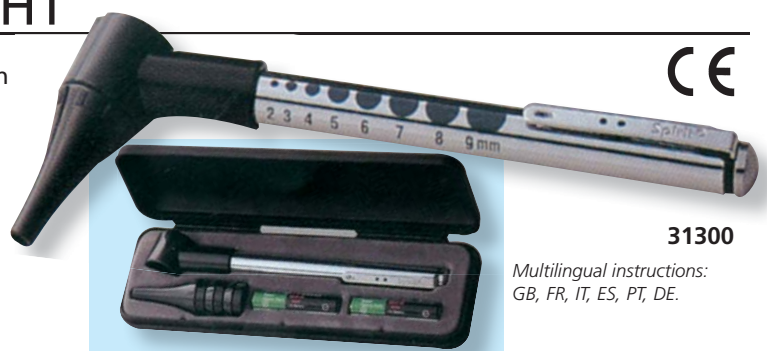
### • 31300 COMBI SET

Dual function instrument features convertible diagnostic pen light and mini-otoscope with 3 different sizes (2.5, 3.5, 4.5 x 38 mm) of funnels or specula. White Led light. Packed in a gift box. Pupil gauge and dual slide rule printed on the penlight. Supplied with batteries (2xAAA).

• 32200 "AAA" ALKALINE BATTERIES - blister of 4 pcs

• 31345 REUSABLE EAR SPECULUM 2.5 mm - bag of 25

• 31346 REUSABLE EAR SPECULUM 4.5 mm - bag of 25



31300

Multilingual instructions:  
GB, FR, IT, ES, PT, DE.



## XENON-HALOGEN OTO AND OPHTHALMOSCOPE SET



Rechargeable handle for use with 2xC batteries or rechargeable battery (34467)

- **31475 XENON-HALOGEN PARKER OTOSCOPE**  
Same as PARKER Otoscope code 31440 but with halogen 2.5V bulb, and bayonet connection system. Supplied with 3 autoclavable ear funnels in a soft bag. Requires 2xC batteries (not included) or rechargeable battery.
- **31474 HALOGEN OPERATIVE PARKER OTOSCOPE**  
Same as 31475 but with operative head.
- **31476 HALOGEN PARKER OPHTHALMOSCOPE**  
2.5V halogen light for true tissue colour and consistent, long lasting illumination 24 colour coded lenses -25 to +40 dioptres for excellent resolution (green for +, red for -). Rubber eye brow rest to prevent scratching of eye-glasses. Illumination lens dial for clear identification of dioptre setting.
- **31477 HALOGEN OTO-OPHTHALMOSCOPE PARKER SET**  
Diagnostic set including one handle, one halogen otoscope head and one halogen ophthalmoscope head, all in a plastic case.
- **31478 XENON-HALOGEN BULB FOR OTOSCOPE 2.5V**
- **31479 XENON-HALOGEN BULB FOR OPHTHALMOSCOPE 2.5V**
- **34467 RECHARGEABLE LI-ION BATTERY 2.5 V / 2,200 mAh**
- **31542 CHARGING STATION**
- **32203 "C" ALKALINE BATTERIES - blister of 2 pcs**



31474



31476

Supplied in a semi-rigid nylon bag with multi-lingual box and manual (GB, FR, IT, ES, PT, DE, GR, Arabic)



31475

31477



31476

+	1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 40
-	1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 25

## XENON-HALOGEN DIAGNOSTIC SETS IN RIGID CASES

- **31480 XENON-HALOGEN DIAGNOSTIC SET - 3.5 V**
  - **31482 XENON-HALOGEN OPERATIVE DIAGNOSTIC SET - 3.5 V**
- Both xenon-halogen sets are supplied in plastic rigid case containing: one rechargeable handle, one otoscope head (operative for code 31482) one ophthalmoscope head, 3 autoclavable speculum Ø 2.5, 3.5, 4.5 mm, two laryngeal mirrors (size 3 and 4), adjustable nasal speculum, bent throat lamp, tongue spatula. Should be used with 31541 + 31542.
- **31427 XENON-HALOGEN OTOSCOPE BULB 3.5V**
  - **31428 XENON-HALOGEN OPHTHALMO BULB 3.5V**



Operative otoscope head

- **31542 CHARGING STATION - 100-240 V - 50/60 Hz**  
See details at page 377.
- **31541 RE-CHARGEABLE LI-ION BATTERY 3.5V\***

\*For handles sold after may 2013



31542



31480

## FIBRE OPTIC XENON-HALOGEN OTOSCOPES

- **31520 GIMALUX F.O. OTOSCOPE - black**
- **31521 GIMALUX F.O. OTOSCOPE - blue**
- **31522 GIMALUX F.O. OTOSCOPE - green**

High professional plastic otoscopes with extra bright halogen light provided by fibre optic system. Quality 3 times magnifying movable lens. Output for pneumatic membrane test. Supplied with 14 single use mini speculums (7 Ø 2.5 and 7 Ø 4 mm) in a black nylon bag. For mini ear-speculum see at page 266. All latex free.

- **34485 XENON-HALOGEN BULB 2.5V**  
Old model with chrome insufflation adapter need below bulb
- **31478 XENON-HALOGEN BULB 2.5V**  
for old models



Fibre optic system



Multilingual box and manual:  
GB, FR, IT, ES, PT,  
DE, GR, RO, HU,  
Arabic.



31521

31522





31520




## DISPOSABLE EAR-SPECULUM FOR "TRADITIONAL" OTOSCOPES

GIMA code	DISPOSABLE EAR - SPECULUM FOR OTOSCOPES OF DIFFERENT BRANDS	Colour	To be used with	Minimum order
31315	Disposable ear-speculum Ø 4 mm	Black	Riester (some models)	box of 200 pcs.
31504	Disposable ear-speculum Ø 2.5 mm	Black	Heine Beta 100, K100 and Eurolight,	box of 1000 pcs. (20 pack of 50)
31505	Disposable ear-speculum Ø 4 mm	Black	Kawe C10, C30, Combilight C10	box of 1000 pcs. (20 pack of 50)
31506	Disposable ear-speculum Ø 2.5 mm	White	Riester: Ri-star	dispenser of 250 pcs.
31507	Disposable ear-speculum Ø 4 mm	White		dispenser of 250 pcs.
31508	Disposable ear-speculum Ø 2.5 mm	Black	Welch Allyn: Pocket-pro; Pocket scope	dispenser of 250 pcs.
31509	Disposable ear-speculum Ø 4 mm	Black	Series 200, 250	dispenser of 250 pcs.

<p>Suitable for <b>RIESTER</b></p>  <p><b>31315</b></p>	<p>Suitable for <b>HEINE</b></p>  <p><b>31504-31505</b></p>	<p>Suitable for <b>RIESTER</b></p> <p>Multilingual box: GB, FR, IT, ES, PT, DE, GR, DK, Arabic.</p>  <p><b>31506-31507</b></p>	<p>Suitable for <b>WELCH-ALLYN</b></p> <p>Multilingual box: GB, FR, IT, ES, PT, DE, GR, DK, Arabic.</p>  <p><b>31508-31509</b></p>
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## WELCH-ALLYN KLEENSPEC DISPOSABLE EAR SPECULUM

GIMA code	WELCH-ALLYN KLEENSPEC Disposable ear-speculum	Colour	To be used with	Minimum order	
72570	KleenSpec ear-speculum Ø 3 mm	Black	Welch-Allyn 20100, 20200 20202, 21600, 21700	box of 100 (4 packs of 25 pcs.)	 <b>72570</b>
32105	KleenSpec ear-speculum Ø 2.75 mm	Black	Welch-Allyn, Macroview	box of 850	
32106	KleenSpec ear-speculum Ø 4.25 mm	Black	Riester Ri-scope L2, L3	box of 850	

## VARTA ALKALINE, LITHIUM AND HEARING AID BATTERIES

								
<b>32200</b>	<b>32201</b>	<b>32203</b>	<b>32204</b>	<b>32205</b>	<b>32216</b>	<b>32217</b>	<b>32218</b>	<b>32219</b>

**FOR GENERAL USE APPLICATIONS**      **MADE IN GERMANY**      **FOR ACOUSTIC**

GIMA code	VARTA ALKALINE LONG LIFE POWER BATTERIES	Type	Blister	GIMA code	VARTA "HEARING AID BATTERIES" - mercury free	Blister
32200	Varta ministilo - alkaline	AAA	4 pcs.	32216	Varta 675 - acoustic	6 pcs.
32201	Varta stilo - alkaline	AA	4 pcs.	32217	Varta 13 - acoustic	6 pcs.
32203	Varta half torch - alkaline	C	2 pcs.	32218	Varta 312 - acoustic	6 pcs.
32204	Varta torch - alkaline	D	2 pcs.	32219	Varta 10 - acoustic	6 pcs.
32205	Varta 9V - alkaline*	9V	1 pc.			

\*Made in China



		
<b>32210</b>	<b>32211</b>	<b>32212</b>

**FOR ELECTRONIC**

GIMA code	VARTA INDUSTRIAL ALKALINE BATTERIES	Type	Box	GIMA code	VARTA LITHIUM BATTERIES - BUTTON	Blister
32226	Varta Industrial ministilo - alkaline	AAA	10 pcs.	32210	Varta 2016 - lithium button	1 pc.
32228	Varta Industrial stilo - alkaline	AA	10 pcs.	32211	Varta 2025 - lithium button	1 pc.
				32212	Varta 2032 - lithium button	1 pc.

## RECHARGEABLE BATTERIES AND CHARGERS

GIMA code	VARTA POWER PLAY RECHARGEABLE BATTERIES	Type	Blister
32235	Varta ministilo - 1,000 mAh	AAA	2 pcs.
32236	Varta stilo - 2,600 mAh	AA	4 pcs.

GIMA code	CHARGERS FOR ANY BRAND**	Power supply	Sizes mm	Weight g	To be used with:	Recharging time	12V+USB adaptor
32237	Universal charger	100-240 V	180x240x58	330	AAA, AA, C, D, 9V	4.5 h	yes***
32238	LCD charger	110-240 V	72x116x32	170	AAA, AA	2 h	yes

\*\*Supplied without batteries      \*\*\*Include USB type C cable charging input 5V/1A

			
<b>32235</b>	<b>32236</b>	<b>32237</b>	<b>32238</b>



## GIMA DISPOSABLE EAR-SPECULUM FOR MINI OTOSCOPES OF DIFFERENT BRANDS

GIMA code	GIMA DISPOSABLE SPECULUM FOR MINI OTOSCOPES - LATEX FREE	Colour	Compatibility		Minimum order
			Direct fit	Fit with connector 31493	
31485	Disposable Mini ear-speculum Ø 2.5 mm - grey		Gima Gimalux, Sigma, Sigma C, Visio 5, Visio 2000 Heine mini 2000, 3000, K180/Beta 200/Beta 400 Riester Ri-Mini, Ri-scope L1-L2, E-scope, Pen-scope Kawe (Picolight, Combilight F030, Eurolight F030) Holtex Colson Luxamed	Gima: 31435-37, 31440-42, 31471, 31473, 31475, 31477, 31480, 31493 (Parker line)	dispenser of 250
31486	Disposable Mini ear-speculum Ø 4 mm - grey				dispenser of 250
31487	Disposable Mini ear-speculum Ø 2.5 mm - black				dispenser of 250
31488	Disposable Mini ear-speculum Ø 4 mm - black				dispenser of 250
31491	Disposable Mini ear-speculum Ø 2.5 mm - black				pack of 100
31492	Disposable Mini ear-speculum Ø 4 mm - black				pack of 100
31495	Disposable Mini ear-speculum mixed colours and Ø				box of 1,000
31496	Disposable Mini ear-speculum Ø 2.5 mm - blue				pack of 100
31497	Disposable Mini ear-speculum Ø 4 mm - blue				pack of 100
31498	Disposable Mini ear-speculum Ø 2.5 mm - green				pack of 100
31499	Disposable Mini ear-speculum Ø 4 mm - green				pack of 100
31501	HEINE dispenser for Mini ear-speculum - empty		31485-8, 31491-2, 31495-9	-	-
GIMA code	CONNECTORS FOR MINI EAR SPECULUM	Colour	To be used with GIMA codes		
31493	Connector to GIMA Parker otoscope for Mini ear-speculum		31435, 31436, 31437, 31440, 31441, 31442, 31471, 31473, 31475, 31477, 31480		
31494	ALLIGATOR connector (supplied with 100 ear speculum)		31435, 31436, 31437, 31440, 31441, 31442, 31471, 31473, 31475, 31477, 31480		



## HEINE DISPOSABLE MINI EAR-SPECULUM



GIMA code	HEINE DISPOSABLE MINI EAR SPECULUM*	Minimum order
31501	HEINE dispenser for mini speculum - empty	-
31502	HEINE disposable Allspec® speculum Ø 2.5 mm - grey	dispenser of 250
31503	HEINE disposable Allspec® speculum Ø 4 mm - grey	dispenser of 250
31515	HEINE disposable Allspec® speculum Ø 2.5 mm - grey	box of 1,000
31516	HEINE disposable Allspec® speculum Ø 4 mm - grey	box of 1,000

\*Compatible with Heine Mini 2000/3000, K180, Beta 200

## RIESTER MINI EAR-SPECULUM



GIMA code	AUTOCLAVABLE MINI EAR SPECULUM for all Riester otoscopes	Colour	Minimum order
31817	Riester ear speculum Ø 2.5 mm - black	■	box of 10 pcs.
31819	Riester ear speculum Ø 4 mm - black	■	box of 10 pcs.
DISPOSABLE MINI EAR SPECULUM			
Only for E-Scope otoscopes			
31566	E-Scope ear speculum Ø 2.5 mm - black	■	box of 100 pcs.
31567	E-Scope ear speculum Ø 4 mm - black	■	box of 100 pcs.
Only for Ri-Scope L1, L2 Pen- scope, Ri-mini			
31827	Ri-Scope ear speculum Ø 2.5 mm - black	■	box of 100 pcs.
31828	Ri-Scope ear speculum Ø 4 mm - black	■	box of 100 pcs.

## REUSABLE CANNULAS AND EAR SPECULUM

GIMA code	AUTOCLAVABLE SPECULUM FOR PARKER OTOSCOPES - LATEX FREE	Colour	To be used with GIMA code	Also compatible with	Minimum order
31447	Kit 3 autoclavable veterinary speculum Ø 4, 5, 7 mm	■	31442		One kit
31448	Kit 3 autoclavable speculum Ø 2.5, 3.5, 4.5 mm	■	31435-37, 31440-42, 31471, 31473, 31475, 31477, 31480	Heine*, Kawe, Riester	One kit
31451	Kit of 5 autoclavable speculum Ø 2.5, 3.5, 4.5, 5.5, 9 mm	■	31435-37, 31440-42, 31471, 31473, 31475, 31477, 31480	Heine*, Kawe, Riester	One kit
31453	Kit of 3 metal veterinary cannulas (Ø 4, 5, 6 mm) + 2 slotted metal specula (Ø 7.5 and 9.4 mm)	■	31422, 31424, 31425		One kit
31483	Pneumatic bulb for Otoscopes	■	31435/36/37/40/42/71/73/75/77-31520/21/22, 31535	Heine, Kawe, Riester	-

Gima autoclavable ear speculum 31447, 31448, 31451 features:  
- made from resilient thermoplastic material  
- smooth matte finish surface ensure easy cleaning  
- metallic bayonet lock for positive fit to otoscope  
- autoclavable at 134°C



## OTOCLEAR® PORTABLE ELECTRONIC IRRIGATOR

### • 25855 OTOCLEAR® PORTABLE ELECTRONIC IRRIGATOR

The OtoClear® Portable Electronic Irrigator is a versatile solution for automated ear irrigation. Designed for safe and effective cerumen removal when used with patented OtoClear Tips. The Tip's unique, flared design prevents over-insertion while prohibiting any backsplash. The three-stream water flow creates a circular clearing method around the ear canal wall, directing water away from the tympanic membrane. The result is a safe, simple and comfortable approach to ear wax removal. Recommended for high volume facilities.

#### Features:

- adjustable flow settings
  - effective, pulsed irrigation
  - electronic pressure-control system with three settings: low, medium, high
  - 278 ml self-contained water reservoir
  - rechargeable battery
- Supplied with: ear basin, 5 OtoClear tips and 220V charging adapter.



### • 25861 OTOCLEAR® EAR IRRIGATION TIPS - single use - box of 40 - spare

OtoClear® Ear Irrigation Tip is a soft, flared, flexible, 3-streamed-tip that improves patient safety, prevents the risk of over-insertion and eliminates the mess of cerumen removal during irrigation. Flared design prevents backplash and over-insertion. It directs water to the ear canal wall, with three divergent streams instead of directly at the tympanic membrane. Compatible with a variety of delivery devices.

### • 25856 ADAPTOR WAND - spare

### • 25857 WATER RESERVOIR 278 ml - spare

### • 25862 EAR IRRIGATION BASIN - box of 3 - spare

MADE IN THE USA



## GLASS-METAL AND ALL-METAL EAR SYRINGES



### GLASS-METAL JANET RECORD SYRINGES

High quality, reliable and accurate glass-metal syringes. Janet Record come complete with 2 cannulas, one conical, one oval. Individually packed in cardboard box.

GIMA code	GLASS-METAL SYRINGES COMPLETE WITH 2 CANNULAS
25801	Janet Record 50 cc - 13 x Ø 3.5 cm
25802	Janet Record 100 cc - 14 x Ø 4.7 cm
25803	Janet Record 200 cc
25804	Spare cannula for Janet Record (conical shape)
25805	Spare cannula for Janet Record (olive shape)
25861	Ear irrigation tip - single use - box of 40

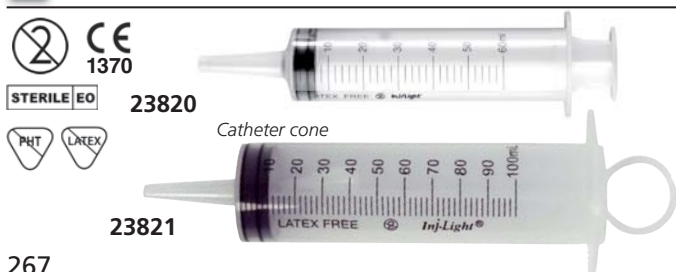


### ALL-METAL SCHIMMELBUSCH SYRINGES

High quality, reliable and accurate syringes. Schimmelbusch come complete with 3 cannulas and ear bowl. Individually packed in cardboard box.

GIMA code	ALL-METAL SYRINGES COMPLETE WITH 3 CANNULAS AND EAR BOWL
25806	Schimmelbusch 50 cc
25807	Schimmelbusch 100 cc
25808	Schimmelbusch 200 cc
25809	Spare cannula for Schimmelbusch (conical shape)
25812	Spare cannula for Schimmelbusch (olive shape) small
25813	Spare cannula for Schimmelbusch (olive shape) large
25861	Ear irrigation tip - single use - box of 40

## HIGH CAPACITY POLYPROPYLENE SYRINGES



### HIGH CAPACITY POLYPROPYLENE SYRINGES - sterile

Sterile, single use, latex free syringes for ear and other purposes. Box in GB, FR, IT, ES, DE, PT, GR, RO, RU, YU, SA. Medical Device class IIa.

GIMA code	HIGH CAPACITY, POLYPROPYLENE SYRINGES STERILE - CATHETER CONE	Minimum order
23820	Syringe 60 ml	box of 20
23821	Syringe 100 ml	box of 25



## OTOCLEAR® EAR IRRIGATION SYSTEM

Kit includes:  
1 spray wash bottle  
20 otoclear tips  
1 ear basin



25858



- **25858 OTOCLEAR EAR SPRAY WASH**  
- manual, intermittent lavage  
- delivers greater volume compared to syringes or other manual devices  
- efficient design allows for two handed procedure

MADE IN THE USA

- **25861 OTOCLEAR EAR IRRIGATION TIPS**  
single use - box of 40 - spare  
Flared design protects against over-insertion. The tip directs three streams of water towards the walls of the ear canal, away from the tympanic membrane, creating a turbulent lavage that effectively dislodges the cerumen. The exit portal controls backsplash and directs drainage into a basin.
- **25862 EAR IRRIGATION BASINS** - box of 3 - spare



Thermometer for water temperature



Improved patient comfort thanks to the soft "gentle touch" design

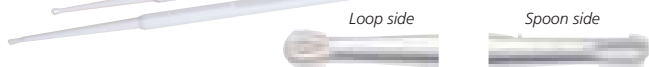


Patented 3-stream action

## LOOP-SPOON EAR CURETTES

- **31470 GIMA EAR CURETTES** - box of 10 pcs  
Double function currettes: one side spoon, one side loop.  
Each currette is individually packed in a single pouch.

31470



## BIONIX EAR CURETTES



**FLEXLOOP:**  
For normal curettage  
Most flexible of all  
Least traumatic  
Rounded tips for comfort  
4 mm wide tip



**MICROLOOP:**  
For compact cerumen  
More rigid construction  
Tip can be angled for added strength  
Rounded tip for comfort  
3 mm wide tip



**INFANTScoop:**  
For the smallest ears  
For when a small scoop works better  
Can be used through an otoscope  
Flexible 2 mm wide tip



**CERASPOON:**  
For viscous cerumen  
For extensive cerumen buildup  
For when a large scoop works better  
4 mm wide tip

The complete cerumen management system

- **31462 FLEXLOOP** - white - box of 50 pcs
- **31464 INFANTScoop** - light blue - box of 50 pcs
- **31460 MICROLOOP** - green - box of 50 pcs
- **31467 CERASPOON** - yellow - box of 50 pcs

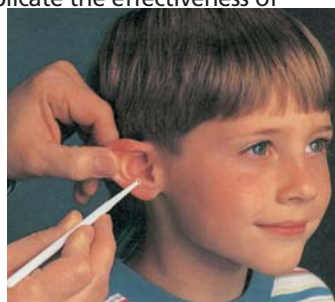
Our four styles of currettes give you the most effective, economical and safe way to remove cerumen - whatever the size of ear or consistency of cerumen.

**Patient comfort:** Metal currettes are cold, hard and sharp. BIONIX ear currettes with rounded plastic tips reduce trauma and risk of laceration. Latex free.

**Effectiveness:** Ear currettes can duplicate the effectiveness of metal currettes in almost any situation and their polypropylene composition makes them virtually unbreakable.

**Disposability:** Ear currettes don't require expensive and time-consuming sterilization and eliminate the risk of cross-contamination.

MADE IN THE USA



## LIGHTED EAR CURETTES

- **31450 KIT MIXED LIGHTED CURETTES**  
Kit is composed by 50 lighted currettes  
(8 FlexLoop and 7 of each of below other 6 tip styles) + LED illuminator + magnification lens

MicroLoop®  
3 mm diameter loopFlexLoop®  
4 mm diameter tipInfantScoop®  
2 mm diameter tipAngleLoop®  
Angled 4 mm diameter loopWaveCurette™  
new wave like 2.5 mm tipVersaLoop®  
3 mm wide tipCeraSpoon®  
4 mm wide tip

MADE IN THE USA

- **31461 KIT MICROLOOP**
- **31463 KIT FLEXLOOP**
- **31465 KIT INFANTScoop**
- **31466 KIT ANGLELOOP**
- **31468 KIT VERSALoop**

All kits are composed by 50 lighted currettes + LED light source + magnification lens

- **31458 LIGHTED FORCEPS** - box of 10 + magnification lens + LED illuminator

- **31459 LIGHTED ARTICULATING CURETTES** - box of 25 + magnification lens + LED light source



Lighted forceps for foreign body removal with LED illuminator



Lighted ear currette 3 mm tip with LED illuminator

Ear currette tip has a 90° range of motion. It articulates to assist in removal of cerumen from the ear canal



## WOOD TONGUE DEPRESSORS

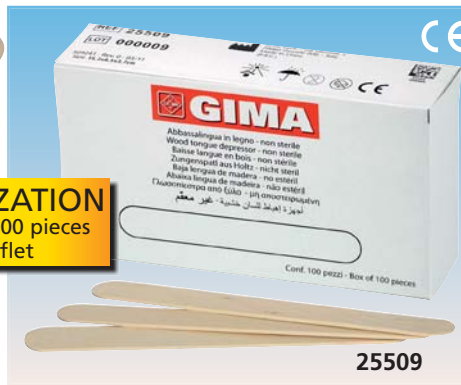


**PERSONALIZATION**  
minimum: 100,000 pieces  
ask for leaflet

**25511**  
Multilingual box:  
GB, FR, IT, ES, PT, DE, GR, Arabic.

Quality tongue depressors manufactured with selected high quality smooth birch wood. Edges accurately finished. Size: 150x18x1.6 mm. Individually packed in a paper envelope and sterilized.

GIMA code	WOOD TONGUE DEPRESSOR - STERILE
<b>25511</b>	Tongue depressor - box of 50
<b>25512</b>	Tongue depressor - box of 2,000 (40 boxes of 50 pcs)



Wooden medical tongue depressors made of quality birch wood. Edges accurately finished. Size: 150x18x1.6 mm

GIMA code	WOOD TONGUE DEPRESSORS NON-STERILE
<b>25509</b>	Tongue depressor - box of 100
<b>25510</b>	Tongue depressor - box of 5,000 (50 boxes of 100 pcs)

## PLASTIC TONGUE DEPRESSORS

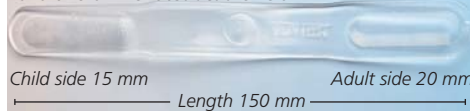


### • 25505 PLASTIC COLOURED TONGUE DEPRESSORS

Plastic tongue depressor animal shaped with bright colour. Each tongue depressor is individually packed in transparent pouch. Packed in box of 50 pieces.



Curved shape allows perfect vision during examination avoiding that the hand of examiner obstruct the vision



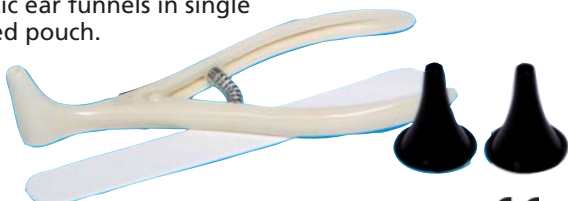
### PLASTIC TONGUE DEPRESSOR

Translucent tongue depressors made of polystyrene with curved shape and smooth edges. One end in adult size and one end in child size. Latex and PVC free. Sterile model is individually packed in a peel-open pack (ethylene oxide).

GIMA code	PLASTIC TONGUE DEPRESSORS ADULT/PEDIATRIC NON-STERILE	CE
<b>25513</b>	Tongue depressor - box of 100	CE 0120
<b>25515</b>	Tongue depressor - box of 90	
<b>25516</b>	Tongue depressor - box of 1,800 (20 boxes of 90 pcs)	

## STERILE ENT KITS

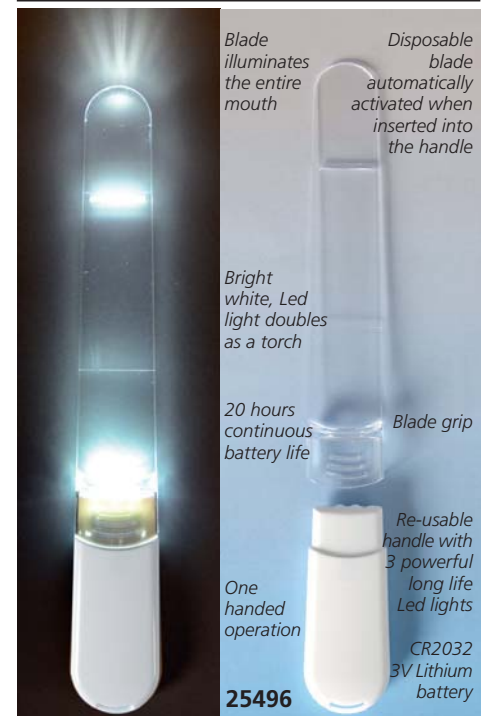
• **31456 STERILE ENT KIT A** - box of 25 kit  
Kit includes one plastic nasal speculum, one plastic tongue depressor and two (adult and pediatric size) plastic ear funnels in single sealed pouch.



• **31457 STERILE ENT KIT B** - box of 10 kit  
Kit includes one plastic nasal speculum, one plastic tongue depressor, two (adult and pediatric size) plastic ear funnels, two plastic laryngeal mirrors, one plastic forceps, six cotton tip applicators, one napkin, all packed in a sterile plastic tray (22x12.5x3 cm).



## THROAT SCOPE®



### • 25496 THROAT SCOPE® KIT

1 handle + 50 blades - box

Illuminated tongue depressor, made of medical grade plastic, that allows the clinician a one handed operation for oral cavity examination. The light is guided by the blade to illuminate the mouth for a quick examination by the clinician. Light is automatically activated when you insert single use blade into the handle.

### • 25499 THROAT SCOPE® DISPOSABLE BLADES - box of 100 - non sterile



Simultaneously depresses the tongue and illuminates the mouth

## NASAL SPECULUM



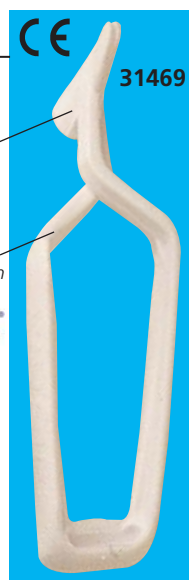
Total blade depth: 33 mm

Total length: 13.2 cm

The use of stainless steel speculum can be a chilling experience for the patient. Now you can combine patient comfort with effective treatment. Smooth, warm tips make disposable Nasal Speculum more comfortable and less alarming to the patient.

• **31469 DISPOSABLE NASAL SPECULUM** - box of 48  
Innovative plastic, disposable nasal speculum with handle: allows superior view of nasal cavity. Helps extract foreign objects from nasal cavity. Facilitates packaging of cauterizing of bleeding noses. Latex free.

MADE IN THE USA





## WELCH ALLYN PENLIGHT



- 25622 W.A. HALOGEN PENLIGHT with 2 x AAA batteries  
Professional bright white halogen light.  
Durable solid brass construction.
- 25618 BULB for W.A. PENLIGHT - spare

**WelchAllyn**

## HEINE MINI-C LED<sup>HQ</sup> LIGHT



- 25630 HEINE MINI-C EXAMINATION LIGHT LED<sup>HQ</sup> - D008.73.109  
Compact, long-life pocket diagnostic light.  
20,000 switch cycles guaranteed.  
Replaceable batteries size AAA (included).



MADE IN GERMANY

## TOP QUALITY BULB OR LED PENLIGHTS

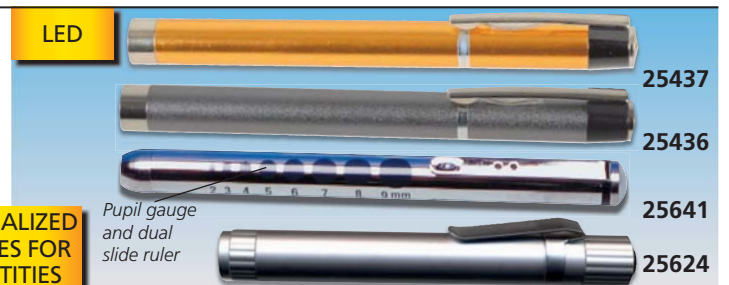
Professional penlights, also suitable for diagnostic, with bulb or white LED with quick clip shifter mechanism or push button (25634).

Argenta and Elegance made of anodized aluminium, Nova in top-quality ABS plastic housing. Supplied with 2x1.5V AAA batteries.



GIMA code	Description	Light	Light intensity	Material	Supplied with batteries	Colour	Medical device	on/off by
25632	Argenta torch	bulb	4.5 lux	metal	2 x AAA	black	Class I	Pocket clip
25633	Argenta torch	bulb	4.5 lux	metal	2 x AAA	silver	Class I	Pocket clip
25638	Argenta torch	bulb	4.5 lux	metal	2 x AAA	green	Class I	Pocket clip
25634	Elegance torch	bulb	4.5 lux	metal	2 x AAA	blue	Class I	Push button
25440	Nova torch	LED	25,000 m	plastic	2 x AAA	white	Class I	Pocket clip
25442	Argenta torch	LED	25,000 m	metal	2 x AAA	blue	Class I	Pocket clip

## BULB OR LED TORCHES PENLIGHTS



GIMA code	Description	Light	Material	Supplied with batteries	Colour	Packaging	Multilingual instructions	on/off by
25626	Alfa torch	bulb	plastic	2 x AAA	blue	Blister	GB, FR, IT, ES, PT, DE	Pocket clip
25627	Alfa torch	bulb	plastic	2 x AAA	white	Blister	GB, FR, IT, ES, PT, DE	Pocket clip
25639	Beta torch	bulb	stainless steel	2 x AAA	silver	Plastic case	GB, FR, IT, ES	Push button
25434	Stylo torch	bulb	metal	2 x AAA	white	Blister	GB, FR, IT, ES, PT, DE	Push button
25641	Spirit torch	LED	chrome plated brass	2 x AAA	silver	Box	GB, FR, IT, ES	Pocket clip
25436	Omega Torch	LED	metal	2 x AAA	silver	Plastic case	GB, FR, IT, ES	Pocket clip
25437	Omega Torch	LED	metal	2 x AAA	gold	Plastic case	GB, FR, IT, ES	Pocket clip
25624	GIMA torch - no M.D.	LED	metal	1 x AAA	silver	Box	GB, FR, IT, ES, PT, DE, PL, RO, HU, CZ, GR, Arabic	Push button

## DELTA PENLIGHTS WITH TONGUE DEPRESSOR HOLDER

- 25628 DELTA "LED" PENLIGHT - red
- 25629 DELTA "LED" PENLIGHT - blue

Delta penlights are supplied in aluminium box with 2 AAA batteries and holder for tongue depressors (tongue depressor not included).  
Box and instructions in:  
GB, FR, IT, ES, PT, DE.



25628

25629

- 25625 DELTA "LED" OTOSCOPE PENLIGHT - black

Same as 25628-9 but with otoscope head, 3 ear funnels and 5 black plastic tongue depressors.

- 31345 REUSABLE EAR SPECULUM 2.0 mm - bag of 25
- 31346 REUSABLE EAR SPECULUM 4.0 mm - bag of 25



25625

Box and instructions:  
GB, FR, IT, ES, PT, DE

25628

## NEUROLOGICAL REFLEX PERCUSSORS - LATEX FREE



GIMA code	PERCUSSORS	Colour	Handle	Pin	Brush	Weight	Length
31270*	Buck Gima 2000	green	plastic/stainless steel	yes	yes	90 g	20 cm
31251*	Buck Classic	silver	chromed brass	yes	yes	90 g	18 cm
31252*	Buck colour-yellow	yellow	brass colour coated	yes	yes	105 g	19.5 cm
31271*	Dejerine Gima 2000	blue	plastic/stainless steel	yes	yes	115 g	21 cm
31254*	Dejerine Classic	silver	stainless steel	yes	yes	140 g	22 cm
31255*	Dejerine colour	red	stainless steel	yes	yes	140 g	22 cm
31256	Babinsky - Ø 4.5 cm	silver	chrome plated	yes	no	170 g	24 cm
31257	Queens - Ø 5 cm	silver	flexible plastic	no	no	100 g	33 cm
31258	Troemner	silver	stainless steel	no	no	200 g	23 cm
31260	Pinwheel	silver	chrome plated	no	no	50 g	18 cm
31272*	Babinsky-Gima 2000	green	plastic/stainless steel	no	yes	108 g	23.5 cm
31273*	Taylor Gima	red	plastic/stainless steel	no	yes	72 g	20 cm

\*Multilingual box: GB, FR, IT, ES, PT, DE, GR, Arabic



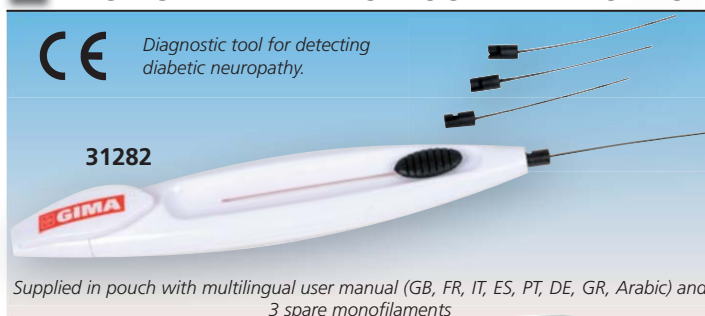
## THERMO FEEL

### • 31278 THERMO FEEL

Useful tool for diagnosis of neuropathy in diabetes patients. Both sides (one stainless steel and one plastic) are alternatively put in contact with foot skin of the patient. Patient perception of cool or warm allows a first diagnosis of diabetes. Multilingual box: GB, FR, IT, ES, PT, DE, PL, RO, LT, SK, HU, BG, GR, Arabic.



## MONOFILAMENT - SENSORY EVALUATOR



### • 31282 MONOFILAMENT TOOL - sensory evaluator

Plastic retractable monofilament with 3 spare monofilaments. Evaluates both diminishing and returning sensation (touch test). Examines levels of sensory function and changes in neuro status. Monofilament is calibrated at 10 g. Size: 13x2.5 cm + 4 cm monofilament

### • 31281 KIT OF 3 MONOFILAMENTS - spare



## NEUROLOGICAL KIT



### • 31265 NEUROLOGICAL KIT - 3 hammers

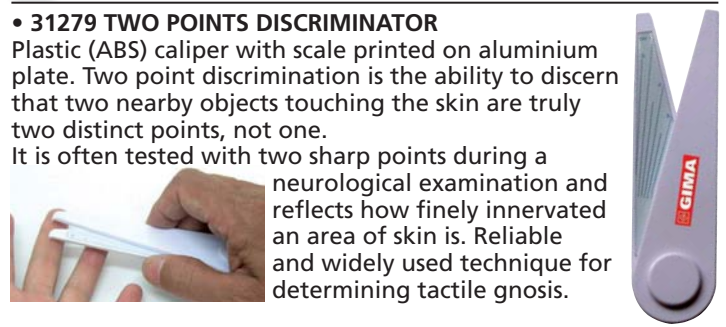
This kit includes 3 metal hammers in a foam box: Taylor hammer, Buck hammer and Babinsky hammer.

## TWO POINTS DISCRIMINATOR

### • 31279 TWO POINTS DISCRIMINATOR

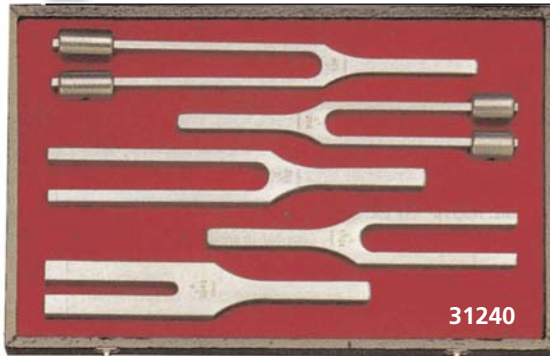
Plastic (ABS) caliper with scale printed on aluminium plate. Two point discrimination is the ability to discern that two nearby objects touching the skin are truly two distinct points, not one.

It is often tested with two sharp points during a neurological examination and reflects how finely innervated an area of skin is. Reliable and widely used technique for determining tactile gnosis.





## GERMAN-MADE DIAPASONS - TUNING FORKS



### ENT TUNING FORKS:

All made in Germany, with age-long craftsmanship experience, in special alloy that ensures maximum sound precision.

GIMA code	ENT TUNING FORKS
31230	Tuning fork 128 Hz* - with weight
31231	Tuning fork 256 Hz* - with weight
31232	Tuning fork 512 Hz
31233	Tuning fork 1024 Hz
31234	Tuning fork 2048 Hz
31235	Tuning fork 4096 Hz
31240	Set of 5 tuning forks in a stylish lined case (contains 128 Hz*, 256 Hz*, 512 Hz, 1024 Hz, 2048 Hz). <i>Tuning forks with asterisk * are supplied with weight</i>

### ENT/NEUROLOGY TUNING FORKS

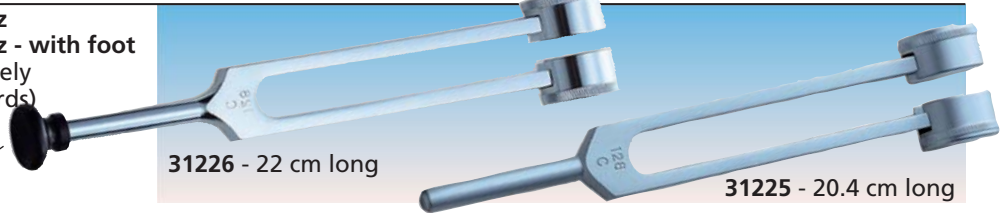
All made of a special alloy and supplied with base. All tuning forks excluding 31246 have multilingual manual and box: GB, FR, IT, ES, PT, GR. Additional DE, HU, RO, BG only for 31247. GB, IT for 31246. **MADE IN GERMANY**

GIMA code	ENT/NEUROLOGY TUNING FORKS
31245	Tuning fork a1-440 Hz - ENT - 90 g
31246	Tuning fork - LUCAE - 85 g adjustable from c128 to h240 with foot
31247	Tuning fork C64, c128 - RYDEL SEIFFER detachable slider either C64 or c128 - 130 g

## ALUMINIUM ALLOY DIAPASONS - TUNING FORKS

- 31225 ALUMINIUM TUNING FORK 128 Hz
  - 31226 ALUMINIUM TUNING FORK 128 Hz - with foot
- Made of finest aluminium alloy and precisely shaped to meet highest requisites (standards) in medical field.

Resting pad for forehead



## NYSTAGMUS SPECTACLES - DR. FRENZEL

**MADE IN GERMANY**

- 31204 NYSTAGMUS SPECTACLES - DR. FRENZEL - black
- Easy to use in the search of spontaneous or provoked nystagmus. Fixed, biconvex lens + 18.0 diopters. Nystagmus spectacles should be connected only with < 4.2 V transformer as per safety norms 93/42/EEC. See code 31203 or 31214

- 31214 BATTERY HANDLE for 31204
- Offers mobility during examination. Needs 3x1.5 V CLR14 batteries (not included). Manual GB, IT, SE.

- 31203 PLUG-IN TRANSFORMER for 31204 - 100-240 V, 47-63 Hz
  - 31206 BATTERY NYSTAGMUS SPECTACLES - DR. FRENZEL - black
- This model allows wireless working and is provided with power through the adjustable battery placed above the spectacle. Requires three 1.5 Volt batteries, size C LR14/AM-2 (baby cells). Illumination can be adjusted through a turn of the switch.

- 31208 NYSTAGMUS BULB - spare for 31204, 31206
  - 31207 LED BATTERY NYSTAGMUS SPECTACLES - white
  - 31209 LED POWER SUPPLY NYSTAGMUS SPECTACLES - white
- Same as 31206 with LED and inner function that makes easier watching the rashes within a particular time period (30, 60, 90 seconds). Same as 31204 with LED and rechargeable power supply.

**31204**

Suggested for long examinations

Supplied with head strip

Multilingual manual: GB, FR, IT, ES, PT, GR

**31207**

LED + BATTERY

Suggested for short examinations

Adjustable illumination through a slight turn around of the switch

Multilingual manual: GB, FR, IT, ES, PT, GR

**31209**

LED + POWER SUPPLY

Supplied with head strip, rechargeable power supply

Adjustable illumination

Manual: GB, IT

## USB VIDEONYSTAGMOSCOPE SYSTEM

- 31213 VIDEO-NYSTAGMOSCOPE - USB - mask with Ir camera and USB cable
- Facilitate to view and register the Nystagmus through standard vestibular tests (both position and instrumental proof). This system allows to view on the monitor or PC/Notebook images of patient eyes during tests and to make Visual Suppression Test (VST) through a green LED light inside the mask to allow fixation. Innovative technology allows to get quality images. Power 12V DC.

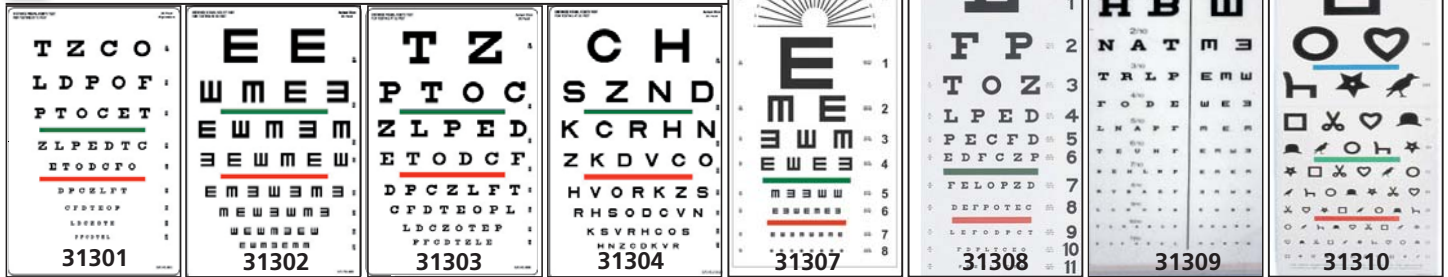
**MADE IN ITALY**



752x582 pixels resolution  
520 TV lines

31213

## OPTOMETRIC CHARTS



GIMA code	OPTOMETRIC CHARTS*	Working distance	Size cm
31301	SNELLEN eye chart with red/green bar visual acuity test	10 feet 3 m	23x35.5
31302	TUMBLING "E" colour vision chart-visual acuity screen	20 feet 6.1 m	23x35.5
31303	SNELLEN eye chart for visual acuity and colour vision test	20 feet 6.1 m	23x35.5
31304	SLOAN colour bar visual acuity chart	20 feet 6.1 m	23x35.5
31307	TUMBLING "E" eye chart	20 feet 6.1 m	28x56
31308	TRADITIONAL SNELLEN eye chart	20 feet 6.1 m	28x56
31309	MIXED DECIMAL chart**	10 feet 3 m	28x56
31310	EWING illiterate test chart	20 feet 6.1 m	28x56
31311	SLOAN near vision chart (2 sides printed)	16 inches 40 cm	18x23

\*Polypropylene natural white sheet, approx. thickness 0.8 to 1.0 mm Multilingual instructions: GB, FR, IT, ES \*\*Not suitable for Portugal

## LEA SYMBOLS AND NUMBERS VISION CARDS AND CHARTS



### • 31322 LEA SYMBOLS NEAR VISION CARD - 40 cm (16 inches)

This test measures near visual acuity with proportionally spaced (logMAR) lines on the front and lines with 25% and 50% spacing on the back. Response key printed on test card. Includes training cards and instructions. Card measures 20.3x25.4 cm (8x10").

### • 31323 LEA SYMBOLS 15-LINE DISTANT CHART - 3 m (10 feet)

This test is designed for vision screening at schools and assessment of vision of children with special needs beginning with age of 3 years. Has a hole for hanging the chart on the wall. Includes semi-transparent response key and instructions. 43x53.4 cm (17x21"). Folds to 43x26.7 cm (17x10.5").

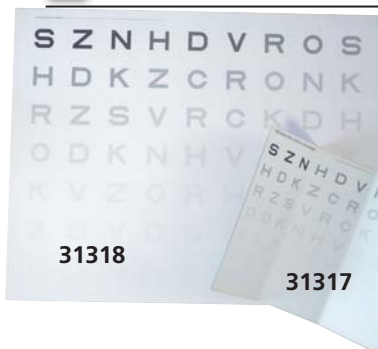
### • 31324 LEA NUMBERS NEAR VISION CARD - 40 cm (16 inches)

Designed to measure visual acuity with a standard line test and with three tighter spaced tests; 50%, 25%, and 12.5%, which often reveal difficulties in seeing tightly crowded details. Card measures 20.3x25.4 cm (8x10").

### • 31325 LEA NUMBERS 15-LINE DISTANT CHART - 3 m (10 feet)

This test is designed for vision screening at schools and assessment of vision of children with special needs beginning with age of 5 years. Has hole for hanging on the wall. 45.7x50.8 cm (18x20"). Folds to 45.7x25.4 cm (18x10").

## LOW CONTRAST CHARTS



### • 31317 CONTRAST SENSITIVITY CARD - NEAR VISION 40 cm

size 40x34 cm

### • 31318 CONTRAST SENSITIVITY CHART - FROM A DISTANCE 3 m

size 77x61 cm

It checks for the ability to distinguish light and dark (contrast). It can detect vision problems. Also useful to reveal in time regression or progression of the cataract disease.

## OCCLUDERS



### • 31275 EYE OCCLUDER - 170x200x3 mm

### • 31274 OCCLUDER - 154 x Ø 47 mm

### • 31276 FUN FROSTED OCCLUDER GLASSES

Set of two tiger fun frosted glasses to be used during children examinations, one for right and one for left eye occlusion.

154 x Ø 47 mm

31274

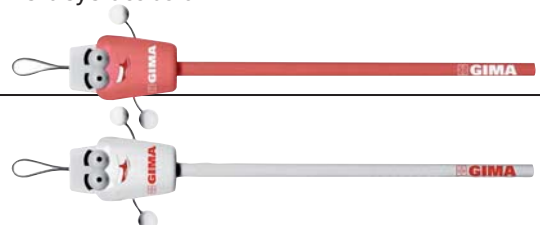


31276

## OPTOMETRIC PENCILS

### • 31319 OPTOMETRIC PENCILS - set of 2 pcs

Set of two wooden puppets (red and white) used to capture attention during vision evaluation in young non-verbal children. Can also be used for test of convergence.





## LANG STEREOTEST® I-R AND II-R

### LANG STEREOTEST® I-R and II-R

High and modern quality

Improved optical quality of test cards thanks to modern digital and lenticular technology

Homogeneity

Increased homogeneity of the dot pattern

and reduced single-eye recognition

Rounded corners

New surface lamination and

laser cutting

Correct application

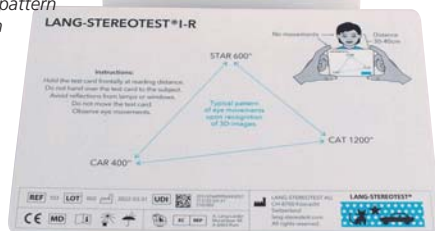
schematic drawing and brief

instructions on the back

MDR 2017/745 compliance

LANG-STEREOTEST®-R

31312



MADE IN SWITZERLAND

### • 31312 LANG STEREOTEST® I-R

### • 31314 LANG STEREOTEST® II-R

### • 31295 LANG STEREOTEST® II

LANG STEREOTEST® represents today's standard of random dot stereo tests without the need of 3D glasses, with very high sensitivity and specificity for stereopsis. The test combines random dots and a lenticular grid surface for quick screening of binocular vision in all groups of age, including very young children. While the test card is presented at reading distance, the patient is asked about what he sees and his eye movements are being observed. Recognition of figures is only possible if the person has full global stereopsis, while patients with amblyopia and (even small angle) strabismus fail the test.

LANG STEREOTEST® I-R shows three stereo figures with disparities of 1200, 600 and 400 arcsec.

LANG STEREOTEST® II and II-R has four stereo figures with disparities of 600, 400, 200 and 200 arcsec, of which one is also monocularly visible. Multilingual instructions: GB, FR, IT, ES, PT, DE, PL, NL, CZ, SE, DK available on [www.gimaitaly.com](http://www.gimaitaly.com).

### • 31296 LANG FIXATION STICK

### • 31297 LANG FIXATION CUBE - white

### • 31298 LANG FIXATION CUBE - red



31298

## STEREOPTIC TEST

### • 31293 STEREOPTIC TEST

Test performed at a distance of 30-40 cm, allowing evaluation of eyes cooperation in providing one single image to the brain, starting from two separately showed figures.

Suitable for children from one year old and for adults in case of suspected strabismus, amblyopia or visual reduction.



Four stereo figures with disparities 200" (fish), 400" (star), 600" (tree) and ball always visible.



Gima stereoptic test contains one ball, one fish, one star, one tree. Ball visible by one eye only.

## WORTH LED LIGHT TEST

### • 31289 WORTH LED LIGHT TEST - with red/green glasses

The Worth 4 dot test, is a clinical test for suppression of either the right or left eye. Suppression occurs during binocular vision, when the brain does not process the information received from either of the eyes. This is a common adaptation to strabismus, amblyopia, and aniseikonia. Battery not included.

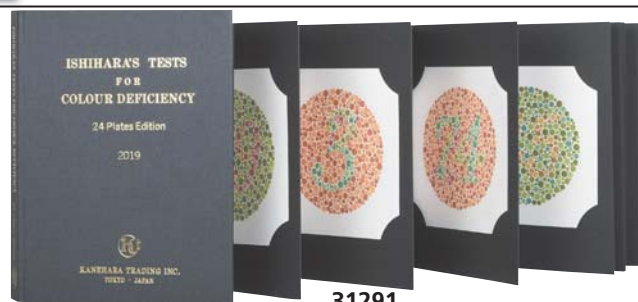
### • 32201 "AA" ALKALINE BATTERIES - blister of 4 pcs

Multilingual instructions: GB, FR, IT, ES, PT, DE, GR, Arabic.



31289

## ISHIHARA COLOUR TEST



31291

MADE IN JAPAN

### ISHIHARA COLOUR TEST

Testing for colour deficiency requires high level of sensitivity and specificity. This series of plates is provided to detect colour blindness in people who can not read, and colour deficiency, since young age. Plates are designed with simple geometrical shapes, since the examinees may not be able to understand complicated pieces. Test gives quick and accurate assessment of colour vision deficiency of congenital origin.

Most cases are diagnosed with red-green deficiency which may be of two types:

- protan, which may be absolute (protanopia) or partial (protanomaly)
- deutan, which may be absolute (deutanopia) or partial (deutanomaly)

### GIMA code ISHIHARA COLOUR TEST

31290 Book of 10 plates for illiterates

31291 Book of 24 plates

31292 Book of 38 plates



31290

## GIMA COLOUR TEST

### • 31288 GIMA ADULT COLOUR TEST - 15 plates

### • 31286 GIMA PEDIATRIC COLOUR TEST - 10 plates

Single plates (11.5x11 cm) packed in a practical cardboard box (13.5x11.5x2.3 cm).

Multilingual box and instructions: GB, FR, IT, ES, PT, DE, PL, RO, LT, SK, Arabic



## SCHIÖTZ TONOMETER



### • 31220 SCHIÖTZ TONOMETER - straight scale

### • 31222 SCHIÖTZ TONOMETER - inclined scale

A masterpiece of precision mechanism, measures intraocular pressure according to Prof. Schiötz standards. Vital parts are made of stainless steel. High quality agate bearing for extremely long service life.

Set 3 weights included (5.5-7.5-10 g).

Scale specification 5. In black deluxe case with velvet-look inserts.

Perfect reading of the scale with red pointer.

MADE IN GERMANY



CE 0124



31220 straight



31222 inclined

## MULTIUSE SOFT CASES

- 27137 MULTIUSE SOFT CASE - black
- 27138 MULTIUSE SOFT CASE - blue

Inner insert divides this bag into two compartments, one for stethoscope, one for nurse accessories. Bottom compartment with one elastic pocket and one transparent zipper pocket. Upper compartment with 6 elastic loops, one transparent zipper pocket and one mesh pocket. Double zip for easy access. Size: 28x12.5x6.5 cm. Supplied with carrying handle.



## CLASSIC CASE FOR STETHOSCOPES

- 32667 CLASSIC CASE FOR STETHOSCOPES - black
- 32668 CLASSIC CASE FOR STETHOSCOPES - burgundy
- 32669 CLASSIC CASE FOR STETHOSCOPES - turquoise
- 32670 CLASSIC CASE FOR STETHOSCOPES - pink

High quality protective hard case for classic style, single tube stethoscopes, available in 4 colours. Its design holds the stethoscope secured in place by a preformed interior, keeping the sensitive diaphragm and tubing protected. Lightweight EVA construction and strong protective outer shell covered in 1680D nylon. Pre-formed moulded interior can also be removed for flexible usage. Sealed dustproof and waterproof zipper with rubber easy-grip zipper pulls for easy opening and closing. Interior mesh pocket for additional accessory storage. Carry handle for easy transportation. Outside size 28x16x5 cm; inside size 26.5x14.5x4 cm. Weight: 220 g



## COVERS FOR STETHO

Covers for stetho for pediatric applications, fits every kind of stethoscopes.

GIMA code	COVERS FOR STETHOSCOPES
32653	Pig cover for stethoscopes
32654	Dragon cover for stethoscopes



## SPARE PARTS AND ACCESSORIES FOR STETHOSCOPES

GIMA code	QUALITY "Y" TUBING	Minimum order
32620	"Y" tubing mixed colours	box of 20
32621	"Y" tubing - black	box of 20
32622	"Y" tubing - green	box of 20
32623	"Y" tubing - blue	box of 20
32624	"Y" tubing - red	box of 20
32625	"Y" tubing - orange	box of 20
32626	"Y" tubing - light blue	box of 20
32627	"Y" tubing - yellow	box of 20
32628	"Y" tubing - purple	box of 20
32629	"Y" tubing - pink	box of 20
BINAURAL - DIAPHRAGM - HEADS		
32655	One head chest piece - black ring	10 pcs.
32656	Dual head chest piece - black ring	10 pcs.
32666	BERTA binaural - fixed	1
32678	Diaphragm Ø 45mm for Classic adult	10 pcs.
EARTIPS AND ADAPTORS		
32657	Standard eartips - rigid - universal	box of 10
32658	Rigid eartips screw-type - for Classic, Wan, Yton, Regalite	box of 10
32663	Mushroom eartips for Trad, Wan, Yton, Design, Linus, Regalite and Classic stethoscopes	box of 10

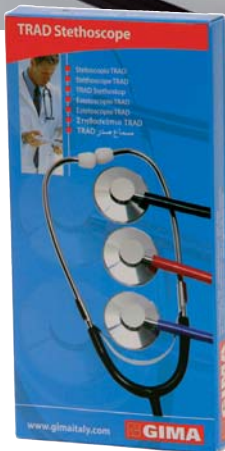




## ■ TRAD STETHOSCOPES - GOOD VALUE FOR MONEY

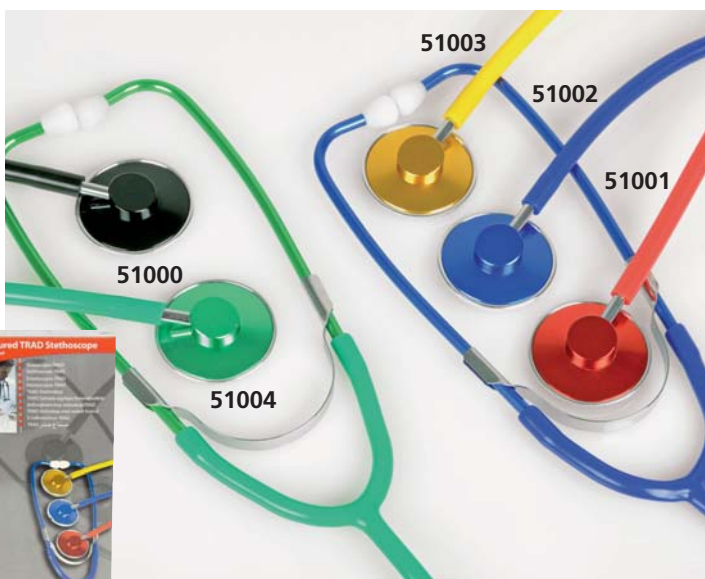


**TRAD STETHOSCOPES: adult, pediatric**  
Traditional aluminium stethoscopes, lightweight and reliable.  
Chestpiece diaphragm Ø 43.5 mm (Ø 35 for pediatric model), bell Ø 30 mm (Ø 26.5 for pediatric model) external sizes.  
Brass binaural, non chill ring.  
Tubing: length 62 cm, int. Ø 4 mm, ext. Ø 8 mm.  
Supplied in cardboard box. Manual and box in 11 languages: GB, FR, IT, ES, DE, PT, GR, PL, HU, SE, Arabic.



GIMA code	TRAD STETHOSCOPES - LATEX FREE	
32557	TRAD single head - pediatric - pink	
32559	TRAD single head - pediatric - light blue	
32555	TRAD double head - pediatric - black	
32560	TRAD single head - black	
32561	TRAD single head - red	
32562	TRAD single head - blue	
32563	TRAD single head - yellow	
32564	TRAD single head - purple	
32558	TRAD single head - dark green	
32565	TRAD double head - black	
32566	TRAD double head - red	
32567	TRAD double head - blue	
32568	TRAD double head - dark green	
32678	Diaphragm Ø 44 mm - spare	

## ■ COLOURED TRAD STETHOSCOPES



**COLOURED TRAD STETHOSCOPES**  
Coloured aluminium stethoscopes, lightweight and reliable.  
Chestpiece diaphragm Ø 43.5 mm, bell Ø 30 mm external sizes.  
Brass binaural.  
Tubing: length 62 cm, int. Ø 4 mm, ext. Ø 8 mm.  
Supplied in cardboard box.  
Manual and box in 11 languages: GB, FR, IT, ES, DE, PT, GR, PL, HU, SE, Arabic.



GIMA code	COLOURED TRAD STETHOSCOPES - LATEX FREE	
51000	TRAD single head - black	
51001	TRAD single head - red	
51002	TRAD single head - blue	
51003	TRAD single head - yellow	
51004	TRAD single head - green	
51010	TRAD double head - black	
51011	TRAD double head - red	
51012	TRAD double head - blue	

## WAN STETHOSCOPES - ADULT



WAN STETHOSCOPES  
Chrome-plated

### WAN ADULT STETHOSCOPES

Features a chrome-plated zinc-alloy chestpiece, a screw-on plastic retaining ring, outer spring binaural and colour matched moulded PVC tubing with non-chill ring. Assure optimum acoustic performances.

Chestpiece: Ø 45 mm, bell Ø 30 mm.

Tubing: length 63 cm, int. Ø 4.2 mm, ext. Ø 8 mm.

Supplied in a cardboard box.

Manual and box in 11 languages: GB, FR, IT, ES, DE, PT, GR, PL, HU, SE, Arabic.

GIMA code	WAN STETHOSCOPES - LATEX FREE	
32569	WAN single head adult - black	
32570	WAN single head adult - royal blue	
32571	WAN single head adult - burgundy	
32572	WAN single head adult - orange	
32574	WAN double head adult - black	
32575	WAN double head adult - royal blue	
32576	WAN double head adult - burgundy	
32577	WAN double head adult - orange	
32678	Diaphragm Ø 44 mm - spare	

## PEDIATRIC-NEONATAL STETHOSCOPES



### WAN PEDIATRIC AND NEONATAL STETHOSCOPES:

Features a chrome-plated zinc-alloy chestpiece, a screw-on plastic retaining ring, outer spring binaural and colour matched moulded PVC tubing with non-chill ring. Assure optimum acoustic performances. Tubing length: 63 cm.

Neonatal stethoscope: diaphragm Ø 22 mm, bell Ø 19 mm.

Pediatric stethoscope: diaphragm Ø 35 mm, bell Ø 30 mm.

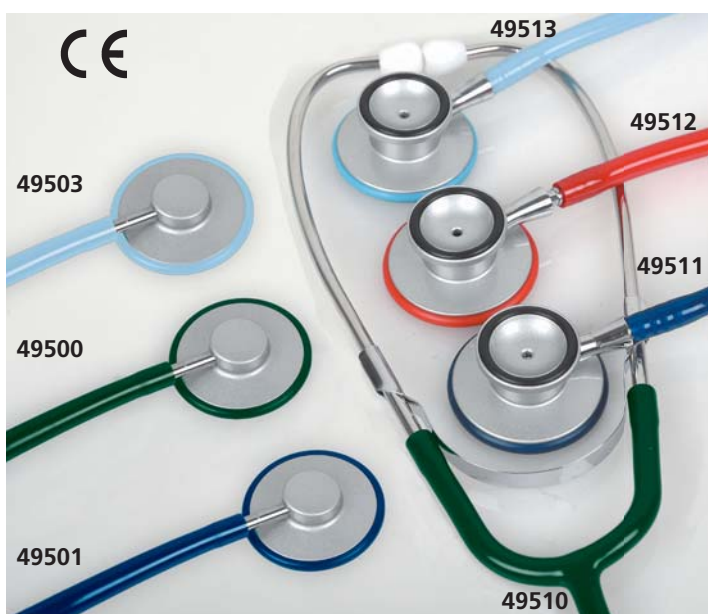
Supplied in a cardboard box. Manual and box in 11 languages: GB, FR, IT, ES, DE, PT, GR, PL, HU, SE, Arabic.

### WAN PLUS:

Same as standard with inner spring binaural, superior tubing quality and 2 pair of soft colour coordinated ear tips in different size.

GIMA code	WAN STETHOSCOPES - LATEX FREE	
32508	WAN double head neonatal - red	
32509	WAN double head neonatal - grey	
32513	WAN double head pediatric - light-blue	
32515	WAN double head pediatric - red	
32511	WAN PLUS double head pediatric - pink	
32506	WAN PLUS double head pediatric - black	

## YTON STETHOSCOPES



### YTON STETHOSCOPES:

Gima Yton stethoscopes with single or double head.

Solid aluminium chestpiece Ø 45 mm, bell Ø 30 mm (for double head), with colour coordinated plastic retaining ring.

"Duracote" finished.

Available in four different colours: dark green, dark blue, red and aqua blue.

Manual and box in 11 languages: GB, FR, IT, DE, ES, PT, GR, PL, SE, HU, Arabic.



GIMA code	YTON STETHOSCOPES - LATEX FREE	
49500	Yton single head - dark green	
49501	Yton single head - dark blue	
49502	Yton single head - red	
49503	Yton single head - aqua blue	
49510	Yton double head - dark green	
49511	Yton double head - dark blue	
49512	Yton double head - red	
49513	Yton double head - aqua blue	



## JOTARAP STETHOSCOPE: DOUBLE-HEAD, DOUBLE TUBE



Gima Sprague Rappaport type double-head, double-tube, latex free stethoscope at the price of a standard stethoscope.

### 5 in 1, five way convertible type stethoscope

This convertible stetho, zinc alloy treaded with chrome plated chestpiece drum fitting with different sized chestpieces bells, provides versatile acoustics for infants and adults for the detection of a wide range of heart and lung sounds.

GIMA code	JOTARAP STETHOSCOPE
32579	JOTARAP - purple
32580	JOTARAP - black
32581	JOTARAP - blue
32582	JOTARAP - neon orange
32583	JOTARAP - green
32584	JOTARAP - neon yellow
32585	JOTARAP - light blue
32586	JOTARAP - fuchsia
32587	JOTARAP - transparent pink
32590	ACCESSORY KIT - spare

Chestpiece with small and large diaphragm.

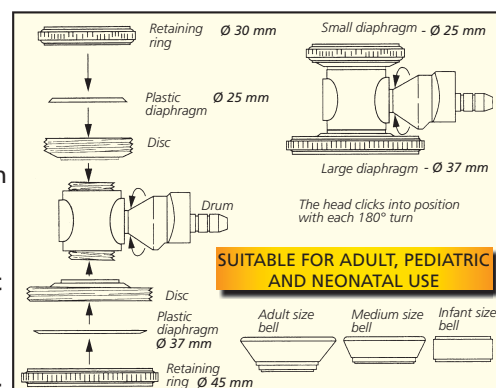
### Double tubing for individual sound transmission

Two separate 56 cm (22") thick latex free wall tubing provide individual sound transmission from chestpiece to both sides of the ear.

### Complete in cardboard box with accessory kit (32590)

It is supplied with an accessory pouch containing:

3 interchangeable plastic black non-chill bells, adult and pediatric spare diaphragm, one pair clear neoprene eartips, one pair black mushroom eartips. Multilingual manual (GB, FR, DE, IT, ES, PT, GR, PL, HU, SE, RO, NL, LV, SK, Arabic).



## LINUX STETHOSCOPES



- 32518 LINUX STETHOSCOPE - blue
- 32524 LINUX STETHOSCOPE - black
- 32529 LINUX STETHOSCOPE - red

Single head stethoscope with lightweight zinc alloy chestpiece plated with an attractive satin finish. The special design assures better performances by pushing the back of the head.

Non-chill diaphragm retaining rim for patient comfort. Stainless steel binaurals fixed at 15° angle for greater comfort and acoustic seal. Soft and flexible PVC tubing. Supplied in deluxe box with one pair of plastic eartips and PVC eartips. Manual and box in 11 languages: GB, FR, IT, ES, DE, PT, GR, PL, HU, SE, Arabic.

## ACOUSTIC EXCELLENCE DOUBLE HEAD STETHOSCOPES




**CLASSIC STAINLESS STEEL STETHOSCOPES - Adult and Pediatric**  
High quality stethoscope with **stainless steel chestpiece**, stainless steel double inner spring binaural and durable, elegantly moulded PVC tubing for unsurpassed acoustic performance. The colour coordinated flexible 55 cm (22") PVC "Y" tubing, non-chill ring and diaphragm retaining ring provide excellent patient comfort, while adding attractiveness. It comes in a foam lined box with 2 extra sets of soft eartips. Chestpiece: Ø 45 mm (adult), Ø 35 mm (pediatric). Manual and box in: GB, FR, DE, IT, ES, PT, GR, PL, HU, SE, RO, BG, Arabic.

### CLASSIC IN 11 COLOURS

Black	Dark blue	Royal blue	Light blue	Green	Dark green	Burgundy	Orange	Red	Pink	Lilac
GIMA code	ACCESSORIES - SPARES									
32678	Diaphragm Ø 44 mm - spare for Classic adult									
32664	Rigid eartips screw-type - white spare for Classic/Wan/Yton/Duca/Regalite									

GIMA code	CLASSIC DOUBLE HEAD S/S STETHOSCOPES - ADULT
32531	Classic adult - dark green
32532	Classic adult - orange
32533	Classic adult - light blue
32534	Classic adult - black
32535	Classic adult - burgundy
32536	Classic adult - dark blue
32537	Classic adult - green
32538	Classic adult - red
32539	Classic adult - pink
32540	Classic adult - royal blue
32541	Classic adult - lilac

	CLASSIC DOUBLE HEAD S/S TEACHING STETHOSCOPES	
32542	Classic Teaching - black <i>allows simultaneously auscultation by 2 people</i>	
	CLASSIC DOUBLE HEAD S/S STETHOSCOPES - PEDIATRIC	
32512	Classic pediatric - light-blue	
32516	Classic pediatric - black	32542

## CARDIOLOGY STETHOSCOPES

- 32550 CARDIOLOGY CLASSIC STETHOSCOPE - blue
  - 32551 CARDIOLOGY CLASSIC STETHOSCOPE - burgundy
  - 32552 CARDIOLOGY CLASSIC STETHOSCOPE - black
- Cardiology Classic offers acoustical excellence in a traditional design with superior durability. Its innovative features include:
- stainless steel chestpiece (Ø 33-44 mm) with extra deep cone-shaped bell for a superb low frequency response
  - stainless steel double inner spring binaural
  - ultra-sensitive diaphragm for unsurpassed amplification
  - durable, elegantly moulded 55.5 cm (22") PVC tubing (int. Ø 6.5 mm, ext. Ø 12 mm)
- Manual and box in 11 languages: GB, FR, DE, IT, ES, PT, GR, PL, HU, SE, Arabic.

- 32678 DIAPHRAGM Ø 44 mm - spare

*Colour coordinated non-chill ring and diaphragm retaining ring, PVC tubing*



It comes in a foam lined box with 2 extra set of PVC eartips



32552



32552

## PROFESSIONAL STETHOSCOPE

- 32526 REGALITE - black
- Top quality single head stethoscope. Chromed plated chestpiece with "SUPERFLEX" inner spring binaural and 1 piece moulded, PVC tubing. Supplied in deluxe box, with spare soft eartips and one space diaphragm. Manual and box in 7 languages: GB, FR, IT, ES, PT, GR, Arabic.



32526

CE



## GIMA EVOLVE DUAL HEAD STETHOSCOPES



### GIMA EVOLVE DUAL HEAD STETHOSCOPES

High acoustics and sensitivity stethoscope line with 4 different heads and attractive selection of coloured tubing. Chestpiece combination with floating diaphragms which allow to hear low and high frequency sounds applying light or firm pressure on chestpiece. Stainless steel chestpiece can catch lower frequency sound sensitively. Its inner side is polished making it smooth and reducing sound's attenuation during sound detection. Attractive selection of fashion coloured and trendy tubes. New electrical plating technology for longer life and corrosion resistance.

#### Features

- dual head chestpiece (Ø 48 mm and 36 mm) with anti-chill rings
- ergonomic and soft silicone eartips for best comfort



- aluminium binaural with spring inserted into the tube (stainless steel for Rose Gold version)
- PVC tube Ø 10 mm, length 60 cm
- total length 75 cm

Supplied with nametag and spare kit in transparent case including 2 pairs of soft eartips and 2 floating diaphragms. Multilingual box and manual: GB, FR, IT, ES, PT, DE, NL, PL, CZ, BG, RO, HR, GR, SE, Arabic.

GIMA code	GIMA EVOLVE DUAL STETHOSCOPES - length 75 cm		
	SHINY HEAD SERIES	Binaural	Ring
49550	Gima Evolve - black	mirrored	black
49551	Gima Evolve - navy blue	mirrored	transparent
49552	Gima Evolve - burgundy	mirrored	black
49553	Gima Evolve - turquoise	mirrored	transparent
49554	Gima Evolve - grey	mirrored	transparent
49555	Gima Evolve - dark green	mirrored	transparent
49556	Gima Evolve - red	mirrored	transparent
SHINY HEAD SERIES - glitter tubing			
49563	Gima Evolve - ceil blue	mirrored	transparent
49564	Gima Evolve - teal green	mirrored	transparent
ALL BLACK HEAD SERIES			
49567	Gima Evolve - black	black	black
49568	Gima Evolve - caribbean blue	black	black
49569	Gima Evolve - emerald green	black	black
49570	Gima Evolve - chocolate	black	black
MULTICOLOUR HEAD SERIES			
49574	Gima Evolve - raspberry	mirrored	transparent
49575	Gima Evolve - black	black	black
ROSE GOLD HEAD SERIES			
49578	Gima Evolve - white	rose gold	transparent
SPARE KITS			
			Colour
49580	Kit: 2 floating diaphragms with rims, 2 pairs of eartips		black
49581	Kit: 2 floating diaphragms with rims, 2 pairs of eartips		transparent

## MEDIKALL CLEAN PROOF S HYGIENIC COVER FOR STETHOSCOPES

### • 32595 MEDIKALL CLEAN PROOF S - box of 500

Medikall clean Proof S is proven to be an effective disposable barrier for stethoscopes against germs. It doesn't decrease the quality of auscultation.

Easy to use, efficient through significant time saving and first of all: safe for protecting patients and physicians.

Multilingual box: GB, FR, IT, DE, ES, PT



**PROTECTION GUARANTEED**  
By the effective and safe germ barrier

**ERKA.**  
THE ORIGINAL  
Made in Germany since 1889

**TIME SAVING**  
Significant time saving compared to conventional disinfection with exposure time



MADE IN GERMANY

**QUALITY IMPROVEMENT**  
No loss in the quality of auscultation



**SAFETY**  
It avoids risk of cross contamination

## RIESTER RI-SONIC PCP-USB AND PCP-1 ELECTRONIC STETHOSCOPES

- 51320 RI-SONIC PCP-1 ELECTRONIC STETHO - 3.5 mm stereo plug
- 51321 RI-SONIC PCP-USB ELECTRONIC STETHO- USB plug

The Riester Ri-sonic are electronic stethoscopes designed to provide auscultatory sound via Telemedicine, computer or through mobile device platforms. This can be done in real time remotely or through sharing of recorded files.

- the PCP-USB or PCP-1 stethoscope plugs directly into any mobile platform, PC or tablet computer via **eMurmur App**
- patented piezo technology for picking up body sounds with minimal background artefacts
- patients can use the stethoscope on themselves
- easy to use with a guidance of a clinicians.

Ri-sonic Electronic Stethoscopes enable to listen to internal body sounds, such as heart, lung or bowel sounds, of a patient.

### TECHNICAL SPECIFICATIONS

Mode of operation:	continuous operation
Electrical protection:	Class II protection against electrical shock
Plug:	USB plug (51321), 3.5 mm stereo plug (51320)
Voltage:	Input: 2 V - 5 V DC
Classification:	Type BF applied part
Weight:	180 g (51321), 145 g (51320)
MDD Class:	Class IIa



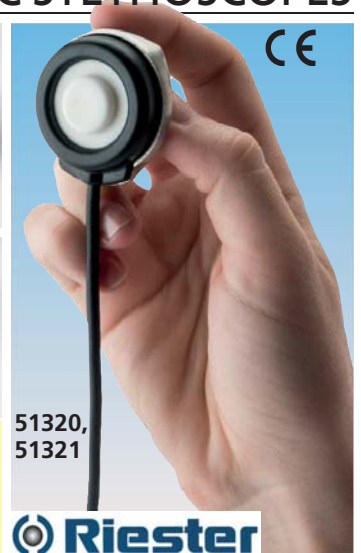
51320



51321

### eMURMUR App

Advanced digital auscultation platform. It makes possible for professionals to screen, monitor, diagnose and consult heart, lung and bowel health in clinics, hospitals and home.



## RIESTER DUPLEX® 2.0 STETHOSCOPES, SIMPLY BETTER HEARING



### RIESTER DUPLEX® 2.0 STAINLESS STEEL OR ALUMINIUM STETHOSCOPES - LATEX FREE

Duplex® 2.0 stethoscopes provide outstanding acoustic performance. Special design tube for better auscultation of adults, children/babies or new-borns.

- precision double chest-piece made of stainless steel with innovative membrane support
  - anatomically shaped binaural with internal multiple spring for adjusting the contact pressure
  - extra-soft, replaceable and pivotable ear-tips for perfect sealing at the ear canal and enhanced wear comfort
  - innovative acoustic system with extraordinary auscultation for all frequency ranges
  - special membrane for precise acoustics with novel non-chill rims for improved adaptation on the skin
- Supplied with name plate, replacement ear-tips and membrane.



MADE IN GERMANY



### RIESTER DUPLEX® 2.0

GIMA code	Riester code	ADULT STAINLESS STEEL	Membrane mm	Length cm	Weight g
32333	4210-01	Duplex® 2.0 - black	Ø 32/44	74	151
32334	4210-02	Duplex® 2.0 - white	Ø 32/44	74	151
32335	4210-03	Duplex® 2.0 - blue	Ø 32/44	74	151
32336	4210-04	Duplex® 2.0 - red	Ø 32/44	74	151
<b>PEDIATRIC STAINLESS STEEL</b>					
32338	4220-02	Duplex® 2.0 - white	Ø 32/23.5	69	124
<b>NEW-BORN STAINLESS STEEL</b>					
32340	4230-02	Duplex® 2.0 - white	Ø 24/17.5	69	105
<b>ADULT - ALUMINIUM</b>					
32329	4201-01	Duplex® 2.0 - all black	Ø 32/44	74	97
32330	4200-03	Duplex® 2.0 - blue	Ø 32/44	74	97
32331	4200-04	Duplex® 2.0 - red	Ø 32/44	74	97

## RIESTER DUPLEX® STETHOSCOPES - ALUMINIUM CHEST-PIECE



### RIESTER DUPLEX® ALUMINIUM STETHOSCOPES

Riester DUPLEX® stethoscopes combine first-class quality at an attractive price. They offer outstanding acoustic performance. Special membrane for perfect auscultation with particularly flat and soft non-chill rims for improved adaptation on the skin. Bell Ø 36 mm. Supplied with a pair of replacement ear-tips and a replacement membrane.

### RIESTER DUPLEX® - ALUMINIUM CHESTPIECE

GIMA code	Riester code	DUPLEX® ADULT	Membrane mm	Length cm	Weight g
51300	4001-01	Duplex® - black	Ø 48	77	151
51301	4001-02	Duplex® - slate grey	Ø 48	77	151
51302	4031-03	Duplex® - blue	Ø 48	77	151
51303	4033-05	Duplex® - green	Ø 48	77	151
<b>DUPLEX® PEDIATRIC</b>					
51307	4041	Duplex® - blue	Ø 36	76.5	122
<b>DUPLEX® NEONATAL</b>					
51310	4051	Duplex® - blue	Ø 28	76	106



## ERKA FINESSE STETHOSCOPES



### FINESSE STETHOSCOPES

With the reversible double chest-piece you'll be prepared for all eventualities in everyday medical practice. The membrane side guarantees optimal auscultation for the entire frequency spectrum and the open bell side is specifically designed for low frequencies.

### FINESSE² STETHOSCOPES

The reversible, combined chest-piece has two membrane sides, each making the full frequency range perfectly audible. The large membrane is suitable for auscultation of adults and the small one for children or slim patients.

All Erka stethoscopes are supplied with carrying bag



FEATURES	Finesse Light	Finesse Finesse²
Pre-tensioned ERKA. convex membrane provides excellent resonance and sound.	X	X
Non-chill ring ensures highest patient comfort.		X
Superior polish, chromium-plated, non-porous surface and brass chest-piece ensure perfect surface hygiene.	X	X
Two internal channels run parallel in the stethoscope tubing preventing any noise caused by friction of two separate tubes.		X
Through the separately integrated spring in the tube, there is no acoustic loss from the chest-piece to the ear.		X
Ergonomic design and super soft tips provide excellent acoustic seal against external noise interference and maximize user's comfort.	X	X
Standard 15° inclined binaurals can be individually adapted to the specific ear canal of the user.	X	X

GIMA code	ERKA code	ERKA STETHOSCOPES - tubing length - 55 cm
<b>FINESSE LIGHT ADULT - head Ø 44.5/33.5 mm</b>		
32250	520 000 10	Finesse light - black
32251	520 000 20	Finesse light - navy blue
32252	520 000 55	Finesse light - dark green
<b>FINESSE PEDIATRIC - head Ø 31/26.5 mm</b>		
32256	549 000 00	Finesse pediatric - black
32257	549 000 25	Finesse pediatric - light blue
32258	549 000 35	Finesse pediatric - pink
<b>FINESSE ADULT - head Ø 44.5/33.5 mm</b>		
32262	550 000 00	Finesse adult - black
32263	550 000 05	Finesse adult - dark grey
32264	550 000 20	Finesse adult - navy blue
32265	550 000 55	Finesse adult - dark green
32266	550 000 60	Finesse adult - burgundy
<b>FINESSE² PEDIATRIC - head Ø 30/21.3 mm</b>		
32270	536 000 00	Finesse² pediatric - black
32271	536 000 35	Finesse² pediatric - pink
<b>FINESSE² ADULT - head Ø 47/30 mm</b>		
32275	535 000 00	Finesse² adult - black
32276	535 000 05	Finesse² adult - dark grey
32277	535 000 20	Finesse² adult - navy blue

## ERKAPHON STETHOSCOPES



Stethoscope with double chest piece is switchable from membrane to bell function. The membrane side is suitable for the auscultation of high and low frequency sounds while the bell side is designed for cardiac impulses.

### ERKAPHON STETHOSCOPES:

High quality precision stethoscopes for excellent acoustics. All stethoscopes are equipped with 56 cm long Y tube, brass chrome-plated binaural and chest-piece (32350, 32358) or aluminium (32344-6), membrane Ø 44 mm, bell Ø 30 mm (32358 only).

GIMA code	ERKA code	ERKAPHON STETHOSCOPES
<b>ERKAPHON FLAT CHESTPIECE - aluminium</b>		
32344	544 000 10	Erkaphon flat chestpiece - black
32345	544 000 20	Erkaphon flat chestpiece - navy blue
32346	544 000 25	Erkaphon flat chestpiece - light blue
<b>ERKAPHON FLAT CHESTPIECE - chromed</b>		
32350	543 000 10	Erkaphon flat chestpiece - black
<b>ERKAPHON DOUBLE CHESTPIECE - chromed</b>		
32358	541 000 10	Erkaphon double chestpiece - black

# 3M™ LITTMANN® STETHOSCOPE USER GUIDE

## CHOOSE THE RIGHT STETHOSCOPE TO HELP YOU PERFORM AT YOUR BEST

3M™ Littmann® Stethoscopes feature adjustable headsets with soft-sealing eartips. Mechanical stethoscopes are designed with tunable technology to hear different frequency sounds by simply adjusting the pressure applied to the chestpiece.








Acoustic performance, high quality and comfort you need with a Littmann stethoscope.



Authorized  
Distributor



### ACOUSTIC PERFORMANCE LEVELS AND FEATURES

	6	7-8			9-10		10+
							
	<b>Lightweight II S.E.</b>	<b>Classic II Paediatric and Infant</b>	<b>Master Classic II™</b>	<b>Classic III™ Monitoring</b>	<b>Cardiology IV™ Diagnostic</b>	<b>Master Cardiology™</b>	<b>CORE Digital</b>
	Ideal for taking blood pressure readings and making limited patient assessments.	Hard-working, dependable, clinical tools for physical assessment and monitoring of your patients, one long shift after another.			Provide outstanding acoustic sensitivity to help you perform detailed diagnostic auscultation. Useful in challenging and critical care environments.		High-performance auscultation. Hear more with amplification, noise cancellation and mobile connectivity.
Length	71 cm	71 cm	69 cm	69 cm	69 cm	69 cm	69 cm
Weight	118 g	105 g, 95 g	160 g	150 g	177 g	185 g	232 g
Warranty	2 years	3 years	3 years	5 years	7 years	7 years	2 years
Diaphragm	Tunable	Non-Tunable (Floating)	Tunable	Tunable (2)	Tunable (2)	Tunable	Tunable (2)
Approximate Chestpiece Ø	Double-sided: 5.2x4.5 cm 3.5x3.2 cm	Double-sided Paed.: 3.4 - 2.7 cm Infant: 2.8 - 1.7 cm	Single-sided: 4.3 cm	Double-sided Adult side: 4.3 cm Paediatric side: 3.4 cm	Double-sided Adult side: 4.3 cm Paediatric side: 3.4 cm	Single-sided: 4.8 cm	Double-sided Adult side: 4.3 cm Paediatric side: 3.4 cm
Features	Teardrop-shaped chestpiece Fits under blood pressure cuff	Specially designed for the smallest patients	Designed for easier grip and maneuvering	Convertible open bell	Convertible open bell Dual-lumen tubing	Dual-lumen tubing Best acoustic response in Littmann mechanical line	Up to 40x amplification* Switch from analog listening to digital. Eko App to capture, store and share data

\*At peak frequency, vs. analogue mode

### ORDERING INFORMATION AND TUBE COLOUR GUIDE

FINISH: CHESTPIECE/EARTUBE/STEM	Lightweight II S.E.	Classic II Infant	Classic II Paediatric	Master Classic II™	Classic III™ Monitoring		Cardiology IV™ Diagnostic		Master Cardiology™	CORE Digital
Standard Finish	2450 Black	2114 Black	2113 Black	2144L Black	5620 Black	5627 Burgundy	6152 Black	6156 Plum	2160 Black	
	2451 Burgundy	2114R Red	2113R Red	2146 Burgundy	5621 Grey	5633 Pearl Pink	6154 Navy	6158 Raspberry	2163 Burgundy	
	2452 Caribbean	2124 Caribbean	2119 Caribbean	2147 Navy	5622 Navy	5831 Plum	6155 Hunter Green	6184 Burgundy	2164 Navy	
	2454 Ceil Blue		2122 Raspberry		5623 Caribbean	5832 Lavender			2167 Plum	
	2456 Pearl Pink				5630 Ceil Blue	5835 Turquoise				
				5648 Raspberry	5839 Lemon-Lime					
All Black				2141 Black	5803 Black	5868 Burgundy	6163 Black	6168 Navy	2161 Black	8490 Black
Brass Finish									2175 Black	
Copper Finish					5809 Chocolate					
Smoke					5811 Black				2176 Black	
Rainbow/Brass/Brass		2157 Raspberry	2153 Caribbean		5806 Raspberry	5807 Caribbean				
Rainbow/Black/Black					5870 Black		6165 Black			
Mirror/Smoke/Smoke					5959 Ceil Blue	5863 Navy				
Mirror/Standard/Mirror							6177 Black	6170 Burgundy		
Champagne/Smoke/Smoke					5861 Black	5864 Burgundy	6179 Black			
Champagne/Black/Champagne							6176 Burgundy	6190 Caribbean		
High-Polish Rainbow/Black/Black							6242 Navy			
High-Polish Rainbow/Smoke/Smoke							6240 Black	6241 Raspberry		

#### COLOURED STEM SERIES (square inset represents stem colour)

Black/Black/Colour							6200 Black	6203 Black	
High-Polish Smoke/Black/Colour							6201 Black		
High-Polish Smoke/Smoke/Colour							6202 Navy	6204 Black	
Rainbow/Black/Colour							6232 Black	6234 Carb.	
Champagne/Champagne/Colour							6238 Grey		
Smoke/Smoke/Colour							6205 Plum		
Mirror/Smoke/Colour							6206 Hunter		
					5872 Turq.	5875 Lime			
					5873 Grey				
					5960 Plum	5962 Pink			

#### COMPONENTS: CHESTPIECE/EARTUBE/STEM

Standard Finish	All Black	Brass Finish	High-Polish Rainbow	Mirror
Copper Finish	Smoke	Champagne	High-Polish Smoke	Rainbow

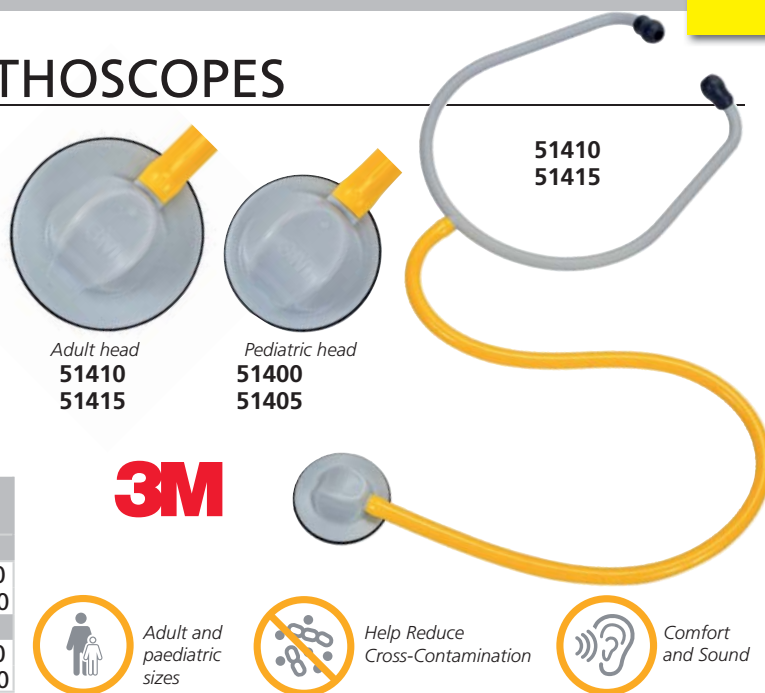


## 3M™ SINGLE-PATIENT STETHOSCOPES

3M™ has developed a new stethoscope, which combines advanced acoustic engineering and infection prevention. It is intended for single-patient use, adult or child in an isolation area, and to be disposed when no longer needed. It helps to reduce potential risks of patient-to-patient cross-contamination, that could occur using reusable stethoscope.

- high-quality acoustics with clear and reliable sound
- soft and flexible earplugs isolate from noises
- pressure sensitive diaphragm allows to hear high and low frequency sounds, by varying pressure on the chestpiece.
- comfortable flexible headset and angled ear tubes provide an excellent seal
- flexible tubing, to easily move and position chestpiece
- easy-grip moulded chestpiece for multiple hand positions.

GIMA code	3M code	3M™ SINGLE-PATIENT STETHOSCOPES - length 72.4 cm	Minimum order
<b>Paediatric - head Ø 36.2 mm</b>			
51400	SPS-YP1010	3M™ Single-Patient - paediatric	box of 10
51405	SPS-YP1100	3M™ Single-Patient - paediatric	box of 100
<b>Adult - head Ø 45.2 mm</b>			
51410	SPS-YA1010	3M™ Single-Patient - adult	box of 10
51415	SPS-YA1100	3M™ Single-Patient - adult	box of 100



## 3M™ LITTMANN® LIGHTWEIGHT II

Tunable diaphragm for easy low and high frequency monitoring. Lightweight only 118 g. Headset made of aerospace alloy.



Authorized Distributor

GIMA code	3M code	3M™ LITTMANN® LIGHTWEIGHT II S.E. - length 71 cm
32388	2456	■ Littmann® Lightweight II S.E. - pink
32389	2452	■ Littmann® Lightweight II S.E. - caribbean blue
32390	2450	■ Littmann® Lightweight II S.E. - black
32391	2451	■ Littmann® Lightweight II S.E. - burgundy
32392	2454	■ Littmann® Lightweight II S.E. - ceil blue



## 3M™ LITTMANN® ACCESSORIES

GIMA code	3M code	3M™ LITTMANN® ACCESSORIES
<b>TUNABLE DIAPHRAGM AND RIM + NON CHILL BELL SLEEVES + EARTIPS</b>		
51464	40005	■ For Classic II S.E. - black - blister
51465	40006	■ For Classic II S.E. - grey - blister
51466	40020	■ For Lightweight - black - blister
51467	40021	■ For Lightweight - light brown - blister
<b>TUNABLE DIAPHRAGM + RIM ASSEMBLY + EARTIPS</b>		
51470	40011	■ For Master Cardiology - black - blister
51471	40018	■ For Master Cardiology - grey - blister
51473	40022	■ For Master Classic™ - black - blister
51474	40023	■ For Master Classic™ - grey - blister
<b>TUNABLE DIAPHRAGM + 2 RIMS ASSEMBLY</b>		
51477	40012	■ For Classic II™ - Paediatric - black - blister
51478	40013	■ For Classic II™ - Infant - black - blister
<b>2 TUNABLE DIAPHRAGMS + RIM ASSEMBLY + EARTIPS</b>		
51482	40016	■ For Classic III™, Cardiology IV™, Core - black - blister
51483	40017	■ For Classic III™, Cardiology IV™, Core - grey - blister
<b>EAR TIPS for all models</b>		
51490	40001	■ Ear Tips - black - small and large - blister
51491	40002	■ Ear Tips - grey - small and large - blister
51494	40007	■ Name tag - black - blister
51495	40008	■ Name tag - grey - blister
<b>DIAPHRAGM + RETAINING RING - box of 5 pcs</b>		
32452	36554	■ For Master Cardiology - black
<b>DIAPHRAGM OR RETAINING RINGS</b>		
51445	MEMB/E3200	■ Diaphragm for Electronic 3100 - 3200 - black
32478	78808303222	■ Diaphragm for Electronic 3000 - dark grey
<b>NEOPRENE RINGS</b>		
32476	36547	■ Neoprene black ring - infant - box of 5
32455	36569	■ Neoprene grey ring - infant - box of 5
51455	36546	■ Neoprene black ring - pediatric - box of 5
32459	36544	■ Neoprene black ring - Classic II, Lightweight - box of 10



## 3M™ LITTMANN® CLASSIC III STETHOSCOPES

The 3M™ Littmann® Classic III™ Stethoscope offers high acoustic sensitivity for exceptional performance when doing general physical assessments.

It features dual tunable diaphragms and updated design.

- versatile adult and pediatric two-sides chestpiece
- dual single-piece tunable diaphragms (pressure sensitive)

- small-side diaphragm prevents debris in open bell
- high acoustic sensitivity
- snap tight soft-sealing eartips
- next generation longer-life tubing
- small side converts to open bell



**Authorized  
Distributor**

CLASSIC III - RASPBERRY - RAINBOW FINISH



GIMA code	3M code	3M™ LITTMANN® STETHOSCOPES - length 69 cm
<b>CLASSIC III - head Ø 43/33 mm</b>		
32290	5620	■ Littmann® Classic III - black
32291	5622	■ Littmann® Classic III - navy blue
32292	5648	■ Littmann® Classic III - raspberry
32293	5627	■ Littmann® Classic III - burgundy
32295	5832	■ Littmann® Classic III - lavender
32296	5835	■ Littmann® Classic III - turquoise
32297	5839	■ Littmann® Classic III - lemon - lime
32299	5621	■ Littmann® Classic III - grey
32300	5623	■ Littmann® Classic III - caribbean blue
32303	5630	■ Littmann® Classic III - ceil blue
32304	5633	■ Littmann® Classic III - pearl pink
32306	5831	■ Littmann® Classic III - plum
<b>CLASSIC III SPECIAL EDITION - head Ø 43/33 mm</b>		
32307	5872	■ Littmann® Classic III - turquoise - smoke chestpiece
32308	5870	■ Littmann® Classic III - black - rainbow finish
32310	5803	■ Littmann® Classic III - black edition
32311	5809	■ Littmann® Classic III - chocolate - copper fin.
32312	5806	■ Littmann® Classic III - raspberry - rainbow fin.
32313	5807	■ Littmann® Classic III - caribbean blue - rainbow fin.
32314	5811	■ Littmann® Classic III - black - smoke finish
32317	5868	■ Littmann® Classic III - burgundy - black finish
32319	5873	■ Littmann® Classic III - grey - smoke chestpiece
32320	5875	■ Littmann® Classic III - lime-green - smoke chestpiece



GIMA code	3M code	3M™ LITTMANN® CLASSIC III MIRROR/CHAMPAGNE
32239	5960	■ Littmann® Classic III - plum - mirror
32240	5962	■ Littmann® Classic III - pearl pink - mirror
32243	5861	■ Littmann® Classic III - black - champagne
32245	5863	■ Littmann® Classic III - navy blue - mirror
32246	5864	■ Littmann® Classic III - burgundy - champagne
32249	5959	■ Littmann® Classic III - ceil blue - mirror

CLASSIC III  
MIRROR



32249

CLASSIC III



32293

CLASSIC III  
BLACK EDITION



32310

CLASSIC III  
SMOKE  
CHESTPIECE



32320

## 3M™ LITTMANN® CLASSIC II STETHOSCOPES



GIMA code	3M code	3M™ LITTMANN® STETHOSCOPES - length 71 cm
<b>CLASSIC II PEDIATRIC - head Ø 33/25 mm</b>		
32404	2113	■ Littmann® Classic II ped. - black
32405	2119	■ Littmann® Classic II ped. - caribbean blue
32406	2113R	■ Littmann® Classic II ped. - red
32407	2122	■ Littmann® Classic II ped. - raspberry
32381	2153	■ Littmann® Classic II ped. - caribbean blue - rainbow finish
<b>CLASSIC II INFANT - head Ø 27/19 mm</b>		
32376	2124	■ Littmann® Classic II infant - caribbean blue
32410	2114	■ Littmann® Classic II infant - black
32411	2114R	■ Littmann® Classic II infant - red
32380	2157	■ Littmann® Classic II infant - raspberry - rainbow finish

CLASSIC II  
INFANT



CLASSIC II  
PEDIATRIC





## 3M™ LITTMANN® CARDIOLOGY IV STETHOSCOPES

The 3M™ Cardiology IV helps to catch more of the subtle critical sounds, thanks to the improved acoustics and the new design.



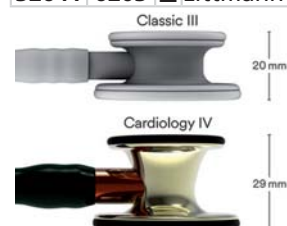
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Distributor



3M

- better audibility of high-frequency sounds
- tunable diaphragms for hearing both high and low frequency sounds without turning over the chestpiece (pressure sensitive)
- adult and paediatric sides for more versatility
- single-piece smooth diaphragm, easier to attach and clean
- longer-life tubing and snap tight soft-sealing eartips.

GIMA code	3M code	3M™ LITTMANN® STETHOSCOPES - length 69 cm
CARDIOLOGY IV SPECIAL FINISH - head Ø 43/33 mm		
		Tubing      Finish
32630	6205	Littmann® Cardiology IV plum rainbow
32632	6163	Littmann® Cardiology IV black black edition
32634	6165	Littmann® Cardiology IV black rainbow
32636	6168	Littmann® Cardiology IV navy blue black
32639	6200	Littmann® Cardiology IV black black - red stem
32640	6201	Littmann® Cardiology IV black black - blue stem
32641	6203	Littmann® Cardiology IV black black - violet stem



GIMA code	3M code	3M™ LITTMANN® STETHOSCOPES - length 69 cm
CARDIOLOGY IV - head Ø 43/33 mm		
32606	6152	Littmann® Cardiology IV - black
32607	6184	Littmann® Cardiology IV - burgundy
32608	6154	Littmann® Cardiology IV - navy blue
32609	6155	Littmann® Cardiology IV - hunter green
32610	6156	Littmann® Cardiology IV - plum
32612	6158	Littmann® Cardiology IV - raspberry
CARDIOLOGY IV SPECIAL HIGH POLISH FINISH - head Ø 43/33 mm		
		Tubing      Finish
32614	6232	Littmann® Cardiology IV black black
32615	6234	Littmann® Cardiology IV caribbean blue smoke
32616	6238	Littmann® Cardiology IV grey smoke
32617	6240	Littmann® Cardiology IV black rainbow
32618	6241	Littmann® Cardiology IV raspberry rainbow
32619	6242	Littmann® Cardiology IV navy blue rainbow
32642	6204	Littmann® Cardiology IV black smoke
32651	6202	Littmann® Cardiology IV navy blue smoke
CARDIOLOGY IV SPECIAL FINISH - head Ø 43/33 mm		
32643	6190	Littmann® Cardiology IV caribbean blue champagne
32644	6176	Littmann® Cardiology IV burgundy champagne
32647	6170	Littmann® Cardiology IV burgundy mirror
32648	6177	Littmann® Cardiology IV black mirror
32649	6179	Littmann® Cardiology IV black/champagne smoke
32674	6239	Littmann® Cardiology IV plum rainbow*

\*with violet stem



## 3M™ EKO CORE DIGITAL ATTACHMENT FOR CARDIOLOGY IV

### • 32594 3M EKO CORE DIGITAL ATTACHMENT - 8481

Eko CORE allows to transform Littmann Cardiology IV from analog into digital stethoscopes. Single button press digitally amplifies heart, lung and other body sounds up to 40x (at peak frequency vs. analog) adding automated murmur detection (88% sensitivity and specificity), active noise cancellation and wireless listening. Compatible with most major brands and vet stethoscopes. See page 287 for more details

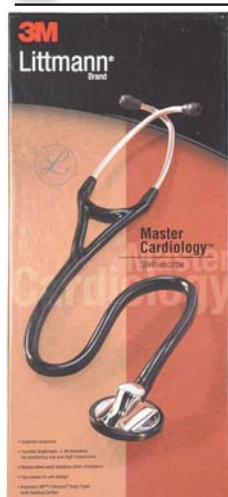
3M



When ON, Eko CORE turns stethoscope into a smart detection tool, when OFF, stethoscope still works as an analog Cardiology IV. Supplied with rechargeable lithium battery (8 hour autonomy) and micro USB charging



## 3M™ LITTMANN® MASTER CARDIOLOGY STETHOSCOPES



Authorized  
Distributor



3M

MASTER  
CARDIOLOGY  
BLACK EDITION



GIMA code	3M code	3M™ LITTMANN® STETHOSCOPES - length 69 cm
MASTER CARDIOLOGY - head Ø 51 mm		
32435	2160	Littmann® Master Cardiology - black
32436	2163	Littmann® Master Cardiology - burgundy
32437	2164	Littmann® Master Cardiology - navy blue
32439	2167	Littmann® Master Cardiology - plum
MASTER CARDIOLOGY SPECIAL EDITION - head Ø 51 mm		
32356	2175	Littmann® Master Card. - black - brass finish
32360	2176	Littmann® Master Card. - black - smoke edition
32473	2161	Littmann® Master Card. - black edition

## 3M™ LITTMANN® CORE DIGITAL STETHOSCOPES

### 3M™ LITTMANN® CORE DIGITAL STETHOSCOPES

The new 3M™ Littmann® CORE digital stethoscope features outstanding acoustics, comfort and quality of a Littmann® Cardiology IV stethoscope, enhanced by powerful CORE digital attachment technology. It is intended for professional and clinical use on pediatric and adult patients.

#### Eko software connection via Bluetooth

Software allows to capture (15, 30, 60 or 120 second recordings), visualize heart sound waveforms in real time, analyze and share recordings to monitor progression of a disease. Eko App is available for iOS and Android devices.

#### Active noise cancellation

It reduces unwanted background sounds allowing to auscultate with greater confidence.

#### Toggle between analog and amplified listening modes

Two tunable diaphragms (adult and pediatric) allow to listen both high and low frequency sounds by simply adjusting pressure on chestpiece.

#### Up to 40x amplification

Based on comparison of analog versus electronically assisted amplified listening with maximum volume at peak frequency (125 Hz). Adjustable volume by clicking buttons on CORE side.

- Tunable, dual-sided stainless steel chestpiece with open or closed bell



GIMA code	3M code	3M™ LITTMANN® CORE DIGITAL STETHOSCOPE - length 69 cm		
			Tubing	Finish
32600	8490	Littmann® Core Digital	black	black
32601	8572	Littmann® Core Digital	black	rainbow
32602	8863	Littmann® Core Digital	black	copper
32603	8869	Littmann® Core Digital	black	mirror
32594	8481	EKO Core digital attachment - spare*		

\*See page 286

- rotating adult and pediatric chestpiece
  - soft-sealing ear tips conform to ears, providing an excellent acoustic seal and comfortable fit
  - fully charged battery lasts 8 hours in continuous transmission mode
  - 3 selectable filters: cardiac, pulmonary and wide
  - 7 sound amplification levels
  - heart murmur, tachycardia and bradycardia detection
- Supplied with USB cable, spare snap tight soft-sealing eartips, non-chill bell sleeve, multilingual user manual: GB, FR, IT, ES, PT, DE, NL, PL, HU, DK, SE, NO.



Download on the App Store

GET IT ON Google play

CORE digital attachment for better auscultation

32600



#### TECHNICAL SPECIFICATIONS

Chestpiece:	two-sided head
	size: 3.3 cm (1.3 inch)
	4.3 cm (1.7 inch)
Membrane:	floating
	material: epoxy / glass fiber
Battery:	rechargeable battery
Operating time:	8 hours continuous transmission with fully charged battery
Overall length:	69 cm
Weight:	net: 232g chestpiece: 87g
Automatic shutdown:	5 min.

## LINKTOP DIGITAL STETHOSCOPE - WITH BLUETOOTH 5.0

### • 32599 LINKTOP STETHOSCOPE - with Bluetooth 5.0

This electronic stethoscope enables recording of respiratory and heart sounds by doctors, medical personnel and ordinary people. It is intended for adult, pediatric and infant patients, for both home and professional use.

#### Examination quality control

The system helps carry out the examination correctly: a step by step tutorial will guide you.

#### Easy contact with a doctor

Enables remote consultation sharing data with your doctor via e-mail or Social applications.

#### Noise control

It detects and automatically monitor excessive noise in the room, that might impact the results.

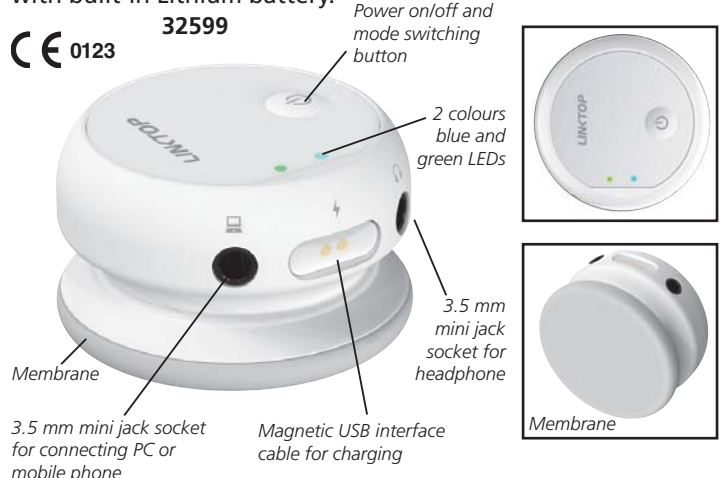
#### TECHNICAL SPECIFICATIONS

Operating mode:	continuous
Battery:	Built-in lithium-ion battery (non-removable) - 200mAh
	Power: 3.3-4.2V
	Charging voltage/current: 5V DC / 500mA
	Charger: magnetic USB
Diaphragm:	Diameter: 43.8 mm
	Material: polyurethane-coated silicone, non-chill diaphragm cover
	Type: digital electronic filtering, ambient noise reduction
Sound:	Transmission: via Bluetooth, headphone and recording cable
	Frequency range: 20-3 KHz
	Amplification: up to 24 X
	85% ambient noise reduction
Auscultation mode:	remotely via Homedoctor System or via 3.5 mm headset
Size - Weight:	Ø 45 x h 26.1 mm - 62 g
Protection class:	Ila type BF, IP22.
Norms:	EN 60601-1: 2006+A11: 2011+A1: 2013+A12: 2014, EN 60601-1-2: 2015

### Automatic start/stop

Records sounds automatically once the stethoscope is put to the body correctly.

The device does not analyze the recorded sounds. It operates with built-in Lithium battery.



iOS 11 or higher



Android 6.0 or higher

#### STANDARD ACCESSORIES

Mini jack 3.5 mm headset  
Mini jack 3.5 mm - mini jack 3.5 mm cable  
Magnetic USB charging cable  
User manual: GB, FR, IT, ES, DE



Free App download





# GIMA 5 IN 1 MULTIFUNCTIONAL HEALTH MONITOR



**5 in 1**  
Temperature  
Blood pressure  
SpO<sub>2</sub>  
ECG  
Respiration

Download Health monitor App via:



Blood Pressure Measurement

- **35192 GIMA 5 IN 1 MULTIFUNCTIONAL HEALTH MONITOR**  
Gima Health Monitor 5 in 1 is a small and portable multifunctional device, intended for measurement of 5 vital signs: temperature, blood pressure, blood oxygen, ECG heart rate and respiration rate.

Gima Health Monitor works with wireless connection for data transmission to a mobile phone application, where measurements are recorded and stored.

The device has infrared and pressure sensors to collect information. Health monitor free App (GB, IT)  
Supplied with magnetic detachable arm cuff, USB charging cable, multilingual manual (GB, FR, IT, ES, DE).

- **35193 CUFF 22-35 cm - spare**

## TECHNICAL SPECIFICATIONS

### Blood pressure Heart Rate

Measuring method: oscillometric  
Cuff size: 22-35 cm  
Measuring range: 0-300 mmHg  $\pm 3$  mmHg  
Heart rate: 40-180 bpm  $\pm 5\%$   
Systolic pressure: 60-230 mmHg  
Diastolic pressure: 40-130 mmHg

### ECG

Measurement mode: Single lead  
Input impedance:  $\geq 100$  K $\Omega$ ; Input circuit current:  $< 0.1$   $\mu$ A  
Calibration voltage: 1 mV  $\pm 0.05$  mV  
Sensitivity tolerance:  $< 10\%$   
50Hz interference suppression filter:  $> 20$  dB  
Maximum input range:  $\pm 4.5$  mV  
Polarization resistance voltage:  $\pm 300$  mV  
Amplitude variation:  $< 10\%$  Frequency response: 0.5-40 Hz

### Blood oxygen

Measuring method: reflective  
Method Measuring range: 90-99%  $\pm 2\%$   
**Temperature**  
Measuring method (forehead): infra-red  
Measuring range: 28-42°C  
Accuracy: 35-42°C  $\pm 0.3^\circ\text{C}$ ;  $< 35^\circ\text{C}$   $\pm 0.4^\circ\text{C}$

### Device

Power voltage: DC3.7V  
Built-in battery: rechargeable lithium-ion  
Battery life: 500 measurements  
Size - weight: 70x70x18.4 mm - 70g  
Wireless communication: Bluetooth 4.0  
Working frequency: 2.4000-2.4835 GHz  
Electric shock protection: BF-style applied part



# GIMA OTOSCOPE WITH CAMERA

- **35196 GIMA OTOSCOPE WITH CAMERA - Android + iOS**

Portable, handheld optical magnifying device with short focal length camera, intended for the examination of the ear, external auditory canal and tympanum.

The high resolution camera can provide great images and videos, there are 6 LED lights on the top of the camera which light the path and increase the visual field.

It has rechargeable battery and different connecting cables, based on phone type.

By connecting the otoscope to the App, videos and still images can be captured, transmitted and visualized on the device. It is suitable for adults and children over 3 years old.

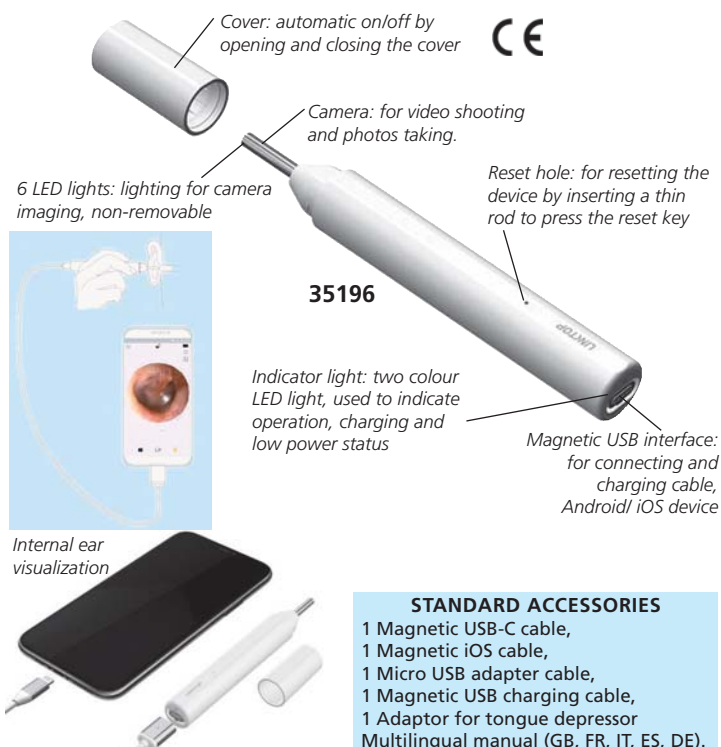
- **35197 SILICONE SPECULA for 35196 single patient - box of 50**

## TECHNICAL SPECIFICATIONS

**Camera:** Diameter: 3.9 mm  
Pixel: 1,000,000 pixels  
Resolution: 720 p  
Focal length: 1.5-2.0 cm  
Horizontal viewing angle: (FOV) 70°  
Frame rate: 15 fps  
**Power supply:** Lithium-ion battery (non-removable)  
**Battery life:** More than 500 charging cycles  
**Charging voltage/current:** 5V DC 2A/1A/500 mA  
**Dimensions - weight:** 134.5x  $\varnothing$  17.8 mm (5.3x $\varnothing$  0.7 inch) - 24.5 g  
**Classification:** BF type application part  
**Protection class:** IP22

## COMPATIBILITY

Mobile phone and tablets: Android 6.0 or higher  
Iphone: iOS 9.0 or higher



## STANDARD ACCESSORIES

1 Magnetic USB-C cable,  
1 Magnetic iOS cable,  
1 Micro USB adapter cable,  
1 Magnetic USB charging cable,  
1 Adaptor for tongue depressor  
Multilingual manual (GB, FR, IT, ES, DE).

## CHECKME™ LITE HEALTH MONITOR WITH BLUETOOTH

• **35185 CHECKME™ LITE HEALTH MONITOR with bluetooth**  
Innovative all-in-one device with multiple functionalities into one compact and portable unit. It allows to measure simultaneously ECG, heart rate, QRS duration, SpO<sub>2</sub>, pulse rate and pulse index. With colour touch screen, well organized user interface and audio instructions, is very intuitive and easy to use. Clinical approved accuracy.

- supports both cable and cable-free measurement of ECG and SpO<sub>2</sub> (optional cable)
- checks, captures and identifies abnormal ECG in 20 sec.
- professional ECG algorithm provides heart rate, QRS duration, ST segment and rhythm analysis
- check blood oxygenation with built-in SpO<sub>2</sub> sensor in 20 sec
- high quality ECG waveform can be saved and replayed
- professional PC data management software for review and generating reports (compatible with windows OS) MyBeats Hub App.

• **35190 EXTERNAL SpO<sub>2</sub> ADULT SENSOR - reusable - optional**

**DAILY CHECK  
JUST TAKES  
20 SECONDS**

CE 0197

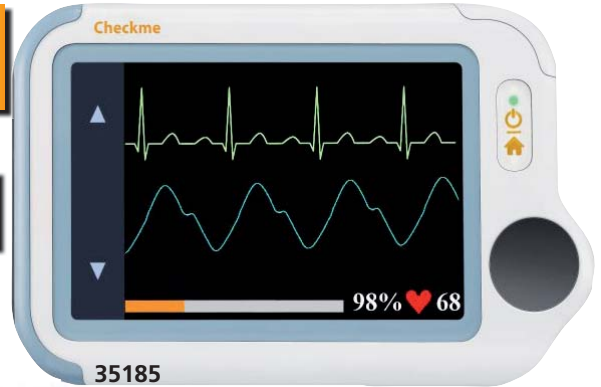
**ECG + HR + SpO<sub>2</sub> +  
QRS + Pulse Rate + PI**

Manual: GB, IT, ES, DE, FR  
Audio instructions:  
GB, PL, DE, IT, FR, ES, HU  
PC software: GB



Download on the  
App Store

GET IT ON  
Google play



Size: 88x56x13 mm Weight: 64 g

### STANDARD ACCESSORIES

PC software: GB Neck strap  
ECG cable Charging cable, micro D  
ECG electrodes

## CHECKME™ PRO VITAL SIGNS MONITORS - WIRELESS WITH BLUETOOTH

- **35186 CHECKME™ PRO VITAL SIGNS MONITOR - with Bluetooth**
- **35187 CHECKME™ PRO VITAL SIGNS MONITOR WITH ECG HOLTER - with Bluetooth**

All-in-one, compact, versatile and portable wireless vital signs monitors for checking your health anytime anywhere.

Wide range of application scenarios, including: outpatient, emergency, surgeries, telemedicine. MyBeats Hub App.

- **35188 AIR BP BLOOD PRESSURE UNIT\* - optional**
  - **35189 AIR BP BLOOD PRESSURE UNIT\* WITH DISPLAY - optional**
- Ultra-portable upper arm blood pressure device. See below.

\*Includes main unit, cuff and charge cable

- **35190 EXTERNAL SpO<sub>2</sub> ADULT SENSOR - reusable - optional**



Download on the  
App Store

GET IT ON  
Google play

Size: 88x56x13 mm  
Weight: 80 g

**ECG + SpO<sub>2</sub> +  
BP (needs 35188-9)  
+ Sleep Apnea +  
Temp + Pedometer  
+ 24 hours ECG  
holter (only 35187)**

CE 0197

### STANDARD ACCESSORIES

ECG cable, SpO<sub>2</sub> sensor, ECG electrodes, charge cable, neck strip, user manual, protective cover, wrist band, Y adaptor and sport chest band (only 35187)

### CHECKME™ PRO FEATURES

#### ECG

- supports both cable and cable-free operation
- 500 Hz sampling rate and wide bandwidth
- 30/60s waveform can be replayed
- professional ECG algorithm to provide Heart Rate, QRS duration, ST segment, QT/QTc interval, and rhythm analysis ECG holter (only 35187)
- easy to wear and use
- continuously record ECG for 24 hours
- check report and ECG waveform on APP or PC
- the report includes heart rate, rhythm and HRV (heart rate variability)
- holter report can be stored in Cloud, printed or saved as PDF

#### SpO<sub>2</sub>

- supports both cable and cable-free operation
- measurement of oxygen saturation, pulse rate and pulse strength

#### Sleep apnea screening

- SpO<sub>2</sub> monitor for OSA (Obstructive Sleep Apnea)
- records and tracks SpO<sub>2</sub> and Pulse Rate up to 10 hours
- mobile APP to check SpO<sub>2</sub> change in details

#### Blood Pressure via Bluetooth (needs code 35188 or 35189)

- manage all vital signs data together - see below

#### Temperature - Integrated infrared temperature sensor

- quick measurement with high accuracy
- safe and comfortable, no need to wake up child while sleeping

#### Pedometer

- accurately calculate steps, calories and amount of fat burned
- built-in high accuracy 3D smart sensor

#### APP - support iOS and Android

- built-in Bluetooth, all data can be exported from device to phone/tablet

#### PC browser

- medical data management software
- user data, user profile, readings and wave form can be exported from Checkme to the browser by USB

Manual: GB, ES, IT, DE, FR

Audio instructions: GB, ES, IT, DE, FR, PL, RU, HU

Pc software: GB

App: GB, DE, FR, ES



## AIR BP ULTRA-PORTABLE SMART BLOOD PRESSURE MONITOR

- **35188 AIR BP BLOOD PRESSURE UNIT**
  - **35189 AIR BP2 BLOOD PRESSURE UNIT WITH DISPLAY**
- Ultra-portable smart upper arm blood pressure device.

- one battery charge for 1000 measurements

- easy to use, robust and durable

- professional measurement

- readings:

- systolic, Diastolic, Pulse Rate;
- pulse Pressure, MAP (Mean Arterial Pressure)
- irregular heartbeat

- work with Smartphone
- real-time Virtual Mercury Column in App during measurement
- real-time Pulse Waveform



Smartphone  
not included



35189

- multi-patient Management
  - unlimited recording
  - works with Checkme Pro 35186, 35187.
- Supplied with cuff, charge cable and multilingual manual (GB, FR, IT, ES, DE).



Download on the  
App Store

GET IT ON  
Google play



### TECHNICAL SPECIFICATIONS

- |                             |  |
|-----------------------------|--|
| Cuff:                       | Upper arm circumference: 22-42cm             |
| Wireless:                   | Bluetooth 4.0 BLE                            |
| Charge input:               | Micro USB, DC 5V                             |
| Battery life:               | 1000 measurements, rechargeable              |
| Pressure measurement range: | 0-300 mmHg ±3 mmHg                           |
| Pulse rate:                 | 40 to 200 bpm ±2 bpm                         |
| Mobile App for iOS:         | iOS 9.0 or above, iPhone 4s/iPad 3 or above  |
| Mobile App for Android:     | Android 4.4 or above, with Bluetooth 4.0 BLE |
| Size - weight:              | 68x20 mm (main unit) - 30g (main unit)       |
| Clinical accuracy:          | meet IEC 80601-2-30                          |



# PC-300 SPOT CHECK BLUETOOTH MONITOR

**Standard:**  
SpO<sub>2</sub>, PR, NIBP, TEMP

**Optional ECG,  
GLUCOMETER**

CE 0476



Bluetooth 2.0  
and 4.0 standard

Size:  
165x96x68 mm

Memory of  
6,000 NIBP measures

GIMA code	PC-300 ACCESSORIES	
35164	SpO <sub>2</sub> pediatric probe - optional	
35165	SpO <sub>2</sub> adult probe - spare	
35166	NIBP pediatric cuff 10-19 cm - with extension cable - optional	
35167	NIBP adult cuff 21-35 cm - spare	
35168	NIBP adult large cuff 27-42 cm	
35169	NIBP adult extra large cuff 40-48 cm	
35170	Ear infrared thermometer	
35171	Ear probe cover - box of 500	
35172	Lithium battery - spare	
35173	Carrying case	
<b>PC-300 ACCESSORIES: glucose and ECG (optional)</b>		
24108	GIMA Glucose monitor* - GB, IT, SE, FI	
24110	GIMA Glucose monitor Kit* - IT, ES	
24111	GIMA Glucose monitor Kit* - GB, FR	
24114	GIMA Glucose monitor Kit* - Bluetooth - GB, IT	
24118	Glucose strips - box of 25	
24119	Glucose strips - box of 50	
24120	Glucose strips - box of 100	
35176	USB cable for On Call Plus II glucose monitor	
35177	USB cable for Gima glucose monitor (24108/10/11/14)	
35178	ECG module** needs 33248	
33248	ECG pin lead cable 3 leads	

See glucose monitor accessories at page 1

See electrodes at page 333-334

\*Needs USB cable 35176 or 35177 to connect to PC-300

\*\*ECG module can be used without 3 leads cable in palm mode

## • 35162 PC-300 SPOT CHECK MONITOR

PC-300 handheld Spot-check monitor measures SpO<sub>2</sub>, Pulse Rate, NIBP and TEMP. Widely used in hospitals, clinics and family daily measurement. Equipped with Bluetooth and USB interface, allows to transfer data to PC, tablets and smartphone (Android and iOS).

- up to 6000 groups NIBP data storage, up to 100 different patients (each user can store 999 measurement records)
- quick ear probe TEMP measurement result in 5 seconds
- data transfer to PC/Smartphone by USB or Bluetooth
- optional NIBP pediatric cuff and SpO<sub>2</sub> pediatric probe
- optional ECG and Glucometer
- built-in rechargeable lithium battery
- communication protocols available on request

### STANDARD ACCESSORIES

SpO<sub>2</sub> adult probe  
NIBP adult cuff  
Ear thermometer (probe covers not included)  
Lithium battery with charger  
Carrying bag  
User manual: GB, FR, IT, ES

### TECHNICAL SPECIFICATIONS

<b>SpO<sub>2</sub></b>	
Measuring range:	0-100%
Accuracy:	±3% (70-100%)
<b>Pulse Rate</b>	
Measuring range:	30-240 bpm
Accuracy:	±2% or ±2 bpm (whichever is greater)
*Root-mean-square value of deviation according to ISO 80601-2-61, ISO 9919	
<b>NIBP</b>	
Pressure range:	0-300 mmHg (0-39.9kpa)
Accuracy:	±3 mmHg
Measuring range:	Systolic pressure: 30-270 mmHg Diastolic pressure: 20-235 mmHg MAP: 10-220 mmHg
<b>TEMP</b>	
Measuring range:	32-43.0°C
Accuracy:	±0.2°C (36-39°C) - ±0.3°C (other)
Measuring time:	<5 s
<b>ECG (Optional)</b>	
Heart Rate measuring range:	30-240 bpm
Heart Rate accuracy:	±2 bpm or ±2% whichever is greater
Display scale:	5.0 mm/mV ±10%
Common-mode rejection ratio (CMRR):	≥60 dB
<b>Blood Glucose (Optional)</b>	
Measuring range:	20 to 600 mg/DL
SEE other specification at page 1	
<b>Power Supply</b>	
Battery:	3.7 V built-in Li-ion battery
Operating voltage:	3.6-4.2 VDC
Operating current:	≤800 mA
Charger:	100 - 240 VAC, 50/60 Hz, 5 VDC or USB

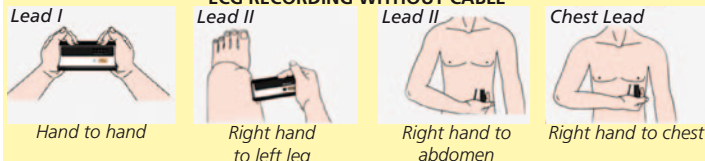
# ARMFIT+ BLOOD PRESSURE MONITOR WITH ECG



## • 35198 ARMFIT+ BLOOD PRESSURE MONITOR WITH ECG

Armfit+ is intended to be used for real time monitoring, measuring, displaying, reviewing and storing ECG and blood pressure variations, at home or healthcare facilities. ECG can be recorded without cable only. Built-in Bluetooth wireless connectivity allows to share measurement records to mobile phones and tablets. Supplied with one adult cuff, charging cable, quick guide and multilingual manual in GB, FR, IT, ES, DE.

### ECG RECORDING WITHOUT CABLE



### TECHNICAL SPECIFICATIONS

<b>Blood Pressure Measurements</b>				
Technology:	Oscillometric Method			
Pressure measurement range:	0-300 mmHg			
Accuracy:	±3mmHg			
Pulse rate range:	40 to 200 /min			
Pulse rate accuracy:	±2 /min			
Clinical accuracy:	Meet IEC80601-2-30			
Blood pressure records:	50			
<b>ECG Recording</b>				
Lead type:	Lead I, Lead II, Chest Lead			
Lead set:	30s recording			
ECG measurement:	30-250/min ±2 /min			
Heart rate range:	10			
ECG records:				
<b>Device</b>				
Size - weight (main unit):	135x45x20 mm - 240 g			
Cuff size:	Adult cuff: 22-42cm			
<b>Wireless:</b>				
Charge input:	Built-in Bluetooth 4.0			
Battery type:	Micro USB, DC5V			
Battery run time:	Rechargeable lithium-polymer			
Charge time:	500 measurements			
<b>Classifications</b>				
Protection:	Type BF			
Dust & water resistance:	IP22			
Norms:	EN 60601-1-2			

## GIMA BLUETOOTH BLOOD PRESSURE MONITOR



32916 Size 131x73x29.4 mm



Irregular  
Heartbeat  
Detection



Bluetooth  
Version



Excessive Body  
Motion Detector



2x60 Groups  
of Memory



### COMPATIBILITY

For iOS devices: The operating system must be iOS 8 or more, such as iPhone 4S, iPhone 5/5C/5S, iPhone 6/6 Plus and so on.  
For Android devices: The operating system must be 4.3 or more

- **32916 GIMA BLUETOOTH BLOOD PRESSURE MONITOR** Bluetooth BPM with innovative tubeless technology and super slim design. It measures blood pressure and heart rate, irregular heartbeat detection and excessive body motion.
  - Large LCD display 86x24 mm, blue mode display with backlight
  - comfortable cuff for arm circumference 22x42 cm (nylon outside + polyester inside in contact with skin)
  - date, time and low battery indication
  - 2 groups of memory (2 users)

Multilingual box and manual: GB, FR, IT, ES.

### TECHNICAL SPECIFICATIONS

Measuring method: Oscillometric - continuous mode operation  
Measurement range: Rated cuff pressure 0-299 mmHg  
Measurement pressure: SYS: 60-230 mmHg, DIA: 40-130 mmHg  
Pulse: 40-199 bpm  
Mechanical buttons: User 1 - User 2 - Query - Power  
Power supply: 3.7V - 1000 mHA built-in rechargeable li-polymer battery - battery life 2 years  
Charge power: up to 300 times  
AC Adaptor (included): Input 100-240V, 50-60Hz

## RI-CHAMPION® SMART PRO+

- **49950 RI-CHAMPION® SMART PRO+ BLOOD PRESSURE MONITOR - 1735 - adult cuff**
- **49951 RI-CHAMPION® SMART PRO+ BLOOD PRESSURE MONITOR WITH BLUETOOTH - 1735 BT - adult cuff**

A clinically validated blood pressure monitor, designed for fast and reliable readings. Advanced performance with irregular heartbeat detection and averaging capabilities: analysis of 3 successive blood pressure measurements.

- Bluetooth® connectivity (only 49951)
- fast and quiet operation for home and professional use.
- 200 measurements on one set of 4 AA batteries
- large, easy to read backlit screen
- meets EN1060-4, NIBP clinical investigation
- **49955 ADULT SMALL CUFF 15-24 cm - 12632 - optional**
- **49956 ADULT CUFF 24-43 cm - 12633 - spare**
- **49957 AC ADAPTER - 12631 - optional**



Air tube length: 80 cm

CE 0123

FDA

Multilingual manual:  
GB, FR, IT, ES, DE, RU

49950

### TECHNICAL SPECIFICATIONS

Heart Rate Range: 40-199 beats/minute  
Systolic Measurement Range: 60-255 mmHg  
Diastolic Measurement Range: 30-195 mmHg  
Pulse Rate Measurement Range: 40-199 beats / minute  $\pm 4\%$  of reading  
Maximum Inflation Pressure: 280 mmHg  $\pm 3$  mmHg or  $\pm 2\%$  of reading  
Power Source/Supply: 4x 1.5 V AA alkaline batteries / DC + 6 V / 1 A  
Battery Life: 200 Readings  
Memory: maximum 400 memory records  
Size - weight: 141x121x72 mm - 350g\* \*without battery

Bluetooth®  
Connectivity  
(only 49951)

## ADULT AND PEDIATRIC B.P. MONITOR WITH SpO<sub>2</sub> OPTION

Supplied with large cuff,  
USB cable, software and  
multilingual manual (GB,  
FR, IT, ES, PT)



32902

PC software for data review,  
result analysis, trend chart  
observation and report print

### TECHNICAL SPECIFICATIONS SPHYGMO

Measurement method: oscillometric  
Measurement range: 0-39.6 kPa (0-297 mmHg) Resolution: 3 mmHg  
Accuracy: static pressure:  $\pm 0.4$  kPa ( $\pm 3$  mmHg)  
Inflation - Deflation: automatic inflation - automatic multistep deflation  
Display: 2.8" colour LCD screen, USB interface  
Power: four "AA" batteries or optional power adapter  
Safety: class II device type BF applied part  
Dimension - Weight: 130x110x80 mm - 300 g

- **32902 LEO ELECTRONIC SPHYGMOMANOMETER - with software** Electronic sphygmomanometer for fully automatic measurement of blood pressure provided with large, high definition colour LCD display.

- Suitable for adult, pediatric and neonatal use.
- data storage (3 users) for up to 100 groups of data
- automatic one-touch operation
- alarm function with possibility to set alarm limits
- dual scales: kPa and mmHg
- selection of five cuff sizes
- automatic power off
- optional SpO<sub>2</sub>

- **80556 POWER ADAPTOR**

### TECHNICAL SPECIFICATIONS SpO<sub>2</sub>

SpO<sub>2</sub> range: 0%-100% (resolution 1%)  $\pm 2\%$  (70% - 100%)  
PR range: 30-250 bpm, (resolution 1 bpm)  $\pm 2$  bpm or  $\pm 2\%$  (select larger)

GIMA code	SpO <sub>2</sub> PROBES
32903	SpO <sub>2</sub> reusable adult probe with 1.5 m cable
35107	SpO <sub>2</sub> reusable neonatal probe*
35109	SpO <sub>2</sub> disposable neonatal** and adult** probe*
32917	Extension cable for 35107, 35109 to 32902

\*Need extension cable 32917

\*\*Neonatal below 3 kg and adult over 40 kg

GIMA code	CUFFS	Size	Suitable for
80551	Small	6-11 cm	Child small
80552	Small/medium	10-19 cm	Child
80553	Medium	18-26 cm	Adult
80554	Large	25-35 cm	Adult large
80555	X-Large	22-43 cm	Adult extra large



# iHEALTH WIRELESS PERSONAL HEALTHCARE PRODUCTS

## iHEALTH MYVITALS APP - free

- track data, graphs and history
  - multi-patient App (sort measurements data per users)
  - free and secure data storage
  - share results with your healthcare professional
- To manage wireless:

1 iHEALTH PULSE OXIMETER - page 391

2 iHEALTH BODY ANALYSIS SCALE - page 94

3 iHEALTH B.P. MONITOR - ARM

4 iHEALTH B.P. MONITOR - WRIST



iHealth  
MyVitals



## iHEALTH products to manage your personal health

Bluetooth connectivity for iPad, iPhone, iPod and Android system, allow to easily measure and track personal data and share instantly with family or doctor.

The powerful iHealth MyVitals App will also allow to manage all your health data with custom graphs, statistics, trends and tracks the relation among various parameters such as blood pressure, weight, calorie intake and activities.

App compatible with all Apple and Android platforms.

Includes a free iHealth Cloud service.

iHealth MyVitals App available in: GB, FR, IT, ES, DE, NL, GR, HU, PT, RO, RU, TR, JP, KR, CN, AR. 2 years warranty.



## 3 iHEALTH TRACK CONNECTED ARM BLOOD PRESSURE MONITOR

CE 0197



European Society  
Hypertension



For iOS and Android version 4.4 +

See the list of compatible devices on [ihealthlabs.eu/support](http://ihealthlabs.eu/support)

### • 23499 iHEALTH TRACK CONNECTED ARM B.P.M.

- clinically validated blood pressure (ESH)
  - systolic, diastolic and heart rate (number of beats per minute)
  - evaluation of measurements as recommended by the WHO
  - detection of arrhythmia
  - colour changing display
  - easy to use and comfortable
  - 60 memories
  - one-Click: save all your measurements in MyVitals App account
- Multilingual box and manual: GB, FR, IT, ES, DE, GR, PT, NL.

### iHEALTH MyVitals App:

- track data, graphs and history on the iHealth MyVitals App
- add measurement reminders, free and secure data storage
- share results with friends or healthcare professionals

• 23497 ADULT CUFF - 22-42 cm - spare

• 23498 OBESE CUFF - 42-48 cm

### TECHNICAL SPECIFICATIONS

Connectivity: Bluetooth 4.0

Size: 98x98x46 mm

Cuff circumference: 22-42 cm

Weight: 438 g (cuff + batteries included)

Measuring method: Oscillometric, with automatic inflation and deflation

Power: 4x1.5V size AAA batteries

Battery life: 250 measurements

Range: Sys: 60-260 mmHg,

Dia: 40-199 mmHg

Pulse rate range: 40-180 bts/min

## 3 iHEALTH ARM B.P. MONITORS

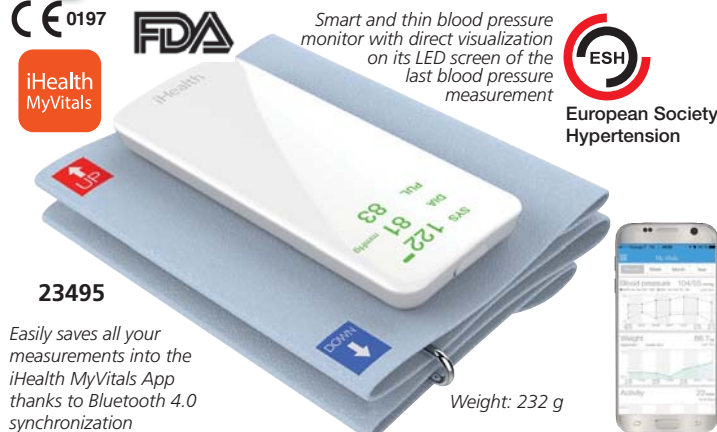
CE 0197



Smart and thin blood pressure monitor with direct visualization on its LED screen of the last blood pressure measurement



European Society  
Hypertension



23495

Easily saves all your measurements into the iHealth MyVitals App thanks to Bluetooth 4.0 synchronization

Weight: 232 g

### • 23495 iHEALTH NEO BP55 ARM B.P. MONITOR - with display

- medically validated blood pressure monitors
- easy to read wide Backlit screen
- measurement of blood pressure (systolic, diastolic) and of heart rate (number of beats per minute)
- detection of arrhythmia
- multiple users and unlimited memories
- view historical readings and WHO classification

Multilingual box and manual: GB, FR, IT, ES, DE, GR, PT, NL.

### TECHNICAL SPECIFICATIONS

Connectivity: Bluetooth 4.0

Dimensions: 135x55x12 mm

Screen dimensions: 30.4x27.8 mm

Cuff circumference: 22-42 cm

Measuring method: Oscillometric, with automatic inflation and deflation

Power: DC: 5 V, 1.0 A, 3.7 V, Li-ion battery

Range: Sys: 60-260 mmHg  $\pm 3$  mmHg

Dia: 40-199 mmHg  $\pm 3$  mmHg

Pulse: 40-180 bts/min



## 4 iHEALTH WRIST B.P. MONITORS

CE 0197



European Society  
Hypertension



23501

23502

Motions Sensor Technology: does not allow to take BP in case BP monitor is not correctly positioned

### • 23501 iHEALTH SENSE BP7 WRIST B.P. MONITOR

### • 23502 iHEALTH VIEW BP7s WRIST B.P. MONITOR - with display

- medically validated blood pressure monitor
- easy to read wide Backlit screen (only 23502)
- measurement of blood pressure (systolic, diastolic) and of heart rate (number of beats per minute)
- detection of arrhythmia
- best wrist position sensor for optimum measurement
- evaluation of measurements as recommended by the WHO\*

Multilingual box and manual: GB, FR, IT, ES, DE, GR, PT, NL.

### TECHNICAL SPECIFICATIONS

Connectivity: Bluetooth 4.0

Dimensions: 72x74x17.6 mm

Weight: 120 g

Screen dimensions: 44x26 mm

Cuff circumference: 13.5-22 cm

Measuring method: Oscillometric, with automatic inflation and deflation

Power: DC: 5 V, 1.0 A, 1x3.7 V, Li-ion 400 mAh

Range: Sys: 60-260 mmHg

Dia: 40-199 mmHg

Pulse: 40-180 bts/min

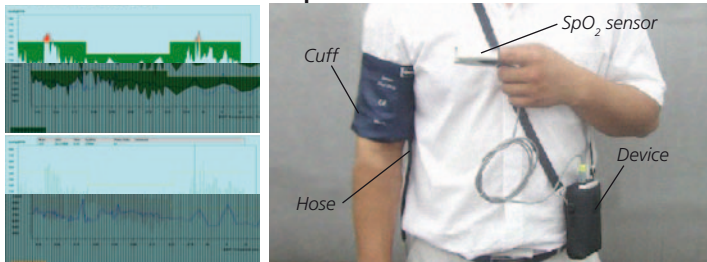


23502

\*World Health Organization

## 24-HOUR ABPM, SpO<sub>2</sub> AND PULSE RATE AMBULATORY MONITOR

- 35110 GIMA ABPM + Pulse rate with software
  - 35112 GIMA ABPM + Pulse rate with software and Bluetooth
  - 35111 GIMA ABPM + Pulse rate + SpO<sub>2</sub> with software
- GIMA ABPM module measures the blood pressure using the oscillometric method with step deflation. Two modes of measurement: manual and automatic. Each mode displays the diastolic, systolic and mean blood pressure. In the MANUAL mode, only one measurement is conducted for each time. In AUTO mode, the measurement is cycled and can be set at intervals: 5/10/15/20/30/45/60/90 min. (35111), 15/30/60/120/240 min. (35110), 15/20/30/40/60/90/120/240 min (35112).
- compact and portable, easy to use
  - suitable for adult, pediatric and neonatal patient
  - large colour LCD display of ABPM, SpO<sub>2</sub> and pulse rate
  - adjustable audible and visual alarms
  - real-time ambulatory monitoring 24 hours storage and review of date
  - clinically proven accuracy
  - all data can be transferred to a PC through Windows-based software or to a smartphone through Bluetooth (35112 only).
  - 35113 CHILDREN CUFF - arm circumference 18-26 cm - spare
  - 35114 ADULT CUFF - arm circumference 25-35 cm
  - 35115 ADULT LARGE CUFF - arm circumference 33-47 cm
  - 35116 THIGH CUFF - thigh circumference 46-66 cm
  - 35117 EXTENSION TUBE FOR CUFFS (35113/4/5/6) - 1.5 m - spare
  - 35118 ADULT SpO<sub>2</sub> PROBE - reusable - spare
  - 35119 CARRYING BAG - spare



### STANDARD ACCESSORIES

Carrying bag Software (GB, FR, IT, DE, ES, PL, RO, SK, TR, RU)  
 3 nylon cuffs (pediatric, adult, adult large) - latex free  
 SpO<sub>2</sub> probe (only code 35111) Cuff connection tube 1.5 m  
 User manual: GB, IT, FR, ES, DE\*, PT\*\*, SE\*\* Alkaline batteries

\*Only for 35110, 35112

\*\*Only for 35111



### TECHNICAL SPECIFICATIONS

<b>SpO<sub>2</sub> (35111 only)</b>	Alarm:	systolic	40-270 mmHg
Measurement range: 0-100%		diastolic	20-235 mmHg
Resolution: 1%		Map	10-270 mmHg
Accuracy: 70-100% ±2%			(35111 only)
Alarm range: 0-100%			
<b>NIBP</b>	<b>Pulse rate</b>		
Method: oscillometry	Range: 0-250 bpm (35111)		
Mode: manual/automatic/continuous	40-240 bpm (35110, 35112)		
Measurement range: 0-290 mmHg	Resolution: 1 bpm		
(0 KPa - 38.67 KPa)	Accuracy: ±1 bpm		
Automatic measurement interval:	Alarm range: 30-250 bpm		
5, 10, 15, 30, 45, 60, 90, 120 min. (35111)	<b>Device</b>		
15, 30, 60, 120, 240 min. (35110),	Display: colour LCD		
15/20/30/40/60/90/120/240 min (35112)	Power: two "AA", 1.5V alkaline batteries		
Resolution: 1 mmHg	Dimension: 128x69x36 mm		
Overpressure protection: 290 mmHg	Weight: <350 g (including batteries)		
	<b>Operating system</b>		
	Windows XP/Seven, 8, 8.1, 10		
	(at 32 & 64 bit)		

## RIESTER RBP-100 BLOOD PRESSURE MONITOR

- 49960 RIESTER RBP-100 B.P. MONITOR - 1740 - table
- 49961 RIESTER RBP-100 B.P. MONITOR - 1741 - trolley
- 49962 RIESTER RBP-100 B.P. MONITOR - 1742 - wall



Clinical grade digital blood pressure monitor for fast and reliable readings. Clinically validated to international standards BHS, ESH, AAMI.

Clinically validated for patients with special conditions:

hypertension, diabetes, pregnancy, pre-eclampsia, arteriosclerosis, end-stage renal disease, obesity, elderly and children > 3 years of age.

Two measurement modes: auscultatory (manual) and oscillometric (automated). Auscultatory mode with auto-deflate (3 mmHg/sec) provides consistent patient BP measurement and allows clinicians to verify automated readings without removing the cuff. Average mode (3x readings) allows for a more objective measurement for clinicians and helps mitigate the risk of elevated readings due to white coat hypertension. Interval settings in average mode 15, 30, 45, 60 sec. It measures BP and pulse range, systolic, diastolic, heart rate and MAP.

- arrhythmia detection
- large memory: 210 readings
- display panel with WHO Blood Pressure Value Classification (colour coded)

Supplied with 2.5 m air tube, 2 cuffs made with no natural rubber or latex (M and L-XL), NiMH battery pack, AC/DC adapter (EU, US, UK, Austr.). Multilingual manual (GB, FR, IT, ES, DE, RU).

- 49964 RIESTER CHILDREN VELCRO CUFF 14-22 cm with connector - 162 - optional



### TECHNICAL SPECIFICATIONS

Measurement mode: oscillometric, auscultatory	Cuff pressure: 0-310 mmHg
Measurement rate: systolic: 60-255 mmHg	Power supply: AC/DC Adapter 7.5V/1.5A
diastolic: 30-200 mmHg	NIMH AA 4.8V 2400 mAh
pulse: 40-200 bpm	rechargeable battery pack
static: ±3 mmHg	1.000 measurements per full charge
pulse: ±5%	170x135x41 mm - 510g (device only)
Cuffs: M: 22-32cm, L-XL: 32-52cm	Certificates: ISO EN13485, Medical Device Class Ila



## MICROLIFE AFIB BLOOD PRESSURE MONITOR - STROKE PREVENTION



- **32868 MICROLIFE WatchBP Home A (Professional use) + SOFTWARE**
- detection of atrial fibrillation (specific heart arrhythmia)
- embedded ESH/AHA measurement guidelines lead to accurate home measurement data physician can trust in
- automated data tabulations displays averages for morning, evening and overall measurement
- clinically tested (BHS protocol)
- MAM technology (automatic analysis of 3 consecutive measurements)
- 250 Data memory in «USUAL» mode
- USB port and mains adapter port
- low battery indication
- 4x1.5 V AA batteries

Supplied with carrying bag, USB cable, soft cuff 22-32 cm, software (GB) and manual (GB, IT, FR, DE). Other languages available from web (ES, DK, GR, FI, NL, NO, RU, SK, SE, UA).

- **32869 ADULT LARGE CUFF 32-42 cm**
- **32864 ADAPTER DC 6V, 600 mA**



### DETECTION OF ATRIAL FIBRILLATION

#### MICROLIFE AFIB technology

An innovative and patented technology for the early detection of Atrial fibrillation (AF) **More than 30,000 fatal strokes can be prevented within the European Union by using Microlife AFIB Technology in primary care**

The new Microlife AFIB technology allows simultaneous blood pressure measurement and AF screening.

Microlife AFIB technology detects AF with high sensitivity (97-100%) and specificity (89%) as demonstrated in several clinical studies.

Nice guidelines for "Diagnosis and assessment of hypertension" recommended to use AFIB screening for routine blood pressure measurement in primary care.

AF screening by using a Microlife AFIB device is highly recommended in patients that have to monitor their blood pressure while at home.

- **32881 MICROLIFE AFIB ADVANCED EASY (Home use)**
- detection of atrial fibrillation (specific heart arrhythmia) with 1 measurement
- clinically tested according to the BHS
- ISO - EHS protocols and for "special patients" such as Diabetics, Elderly, Obese, Hypotensive, Pregnant
- MAM technology (automatic analysis of 3 consecutive measurements)
- 1 Data memory
- traffic light indicator
- low battery indicator
- mains adapter port
- world's latest technologies
- Clinically reliable measurements with AFIB & MAM
- special deflation valve allows beat detection up to 30 b/min (for bradycardic patients)
- Supplied with carrying bag, preformed conical cuff 22-42 cm, 4 AAA batteries 1.5V and user manual (GB, FR, IT, DE).
- **32866 ADAPTER DC 6V, 600 mA**
- **32884 ADULT CUFF M-L 22-42 cm - spare**
- **32885 ADULT CUFF L-XL 32-52 cm**



## OMRON PROFESSIONAL B.P. MONITOR

- **32936 OMRON DIGITAL AUTOMATIC B.P. MONITOR HEM-907**
- Professional B.P. monitor designed for clinical use in professional settings.

- gold standard accuracy
- validated according to international protocols:

- 1- Association for the Advancement of Medical Instrumentation (AAMI)
  - 2- European Society of Hypertension
- International Protocol (ESH - IP)
  - intellisense technology

- irregular pulse indicator
- **3 modes of operation:**
- single mode,
- average mode,
- auscultation (manual mode).



Supplied with battery pack, adult cuff (22-32 cm), AC adapter.

- **32937 ADULT LARGE CUFF 32-42 cm**
- **32939 TROLLEY FOR OMRON HEM-907**

TECHNICAL SPECIFICATIONS	
Method:	Oscillometric
Measurement range:	pressure: 0-299 mmHg $\pm$ 3 mmHg or 2% pulse rate: 30-199 beats/min $\pm$ 5% of reading
Inflation:	automatic inflation with pumping
Deflation:	automatic deflation by electromagnetic control valve
Air release:	automatic rapid air release by electromagnetic control valve
Pressure detection:	electrostatic capacity semi-conductor pressure sensor
Power supply:	AC adapter (230 VAC, 50 Hz, 20 VA) Battery pack (4.8 VDC, 6W)
Electric shock protection method:	Class II B type
Dimension:	139x203x131 mm (5.1/2"x8"x5.1/6")
Weight:	approx. 910 g
Complies with:	EN 1060, EN60601-1-1 - 2007

32936

+

32939

CE 0197



# OMRON BLOOD PRESSURE METERS - CLINICALLY VALIDATED



The Intellisense™ technology ensures that the right inflation pressure is automatically detected. It detects irregular pulses and automatically decides if the measurement result is reliable or needs to be repeated. Only accurate results are displayed.



## • 49915 OMRON M7 INTELLI IT - HEM-7361T-EBK

With Intelli Wrap Cuff 22-42 cm. The connection to OMRON App allows to monitor parameters, create personalized programs, download and share data. AFib (Atrial Fibrillation) detection function.

OMRON BLOOD PRESSURE MONITOR SELECTION GUIDE									
FEATURES	M7 INTELLI IT	M6 COMFORT	M4 INTELLI IT	M3 COMFORT	M3	M2 INTELLI IT	M2	RS7 INTELLI IT	RS4
Clinically validated*	X	X	X	X	X	X	X	X	X
Intellisense technology	X	X	X	X	X	X	X	X	X
Irregular heartbeats detector	X (AFib)	X (AFib)	X	X	X	X	X	X	X
Cuff wrap guide	X	X	X	X	X	X	X	X	X
Intelli Wrap Technology**	X	X	X	X				X	
Pre-formed cuff***: model	Intelli wrap	Intelli wrap	Intelli wrap	Intelli wrap	Easy cuff	Cuff	Cuff	Wrist	Wrist
size (cm)	22-42	22-42	22-42	22-42	22-42	22-32	22-32	13.5-21.5	13.5-21.5
Memory measurem. x user	100x2	100x2	60x2	60x2	60x2	30	30	100x2	60
Guest mode	X	X	X	X	X				
Body movement detection	X	X	X	X	X	X	X	X	X
Easy high blood pressure colour indicator****	X	X	X	X	X			X	X
Hypertension	X	X	X	X		X		X	X (morning)
Average last 3 measurements*****	X	X	X	X	X				
3 consecutive measurements in AFib mode	X	X							
Measurements comparison versus prior readings	X	X	X						
App/Bluetooth Connection	X		X			X		X	

\*To verify validations, please see [www.dableducational.org](http://www.dableducational.org)

\*\*360° accuracy: accurate measurements from any position around the upper arm

\*\*\*Pre-formed cuff, excluding M2, M2 Intelli IT, M3

\*\*\*\*Signal in case the values exceed the E.H.S. standards for domiciliary auto-measurements (85 systolic pressure and/or 135 diastolic pressure)

\*\*\*\*\*Average of 3 last measurements made within 10 min



## • 49905 OMRON M3 HEM-7154-E

With Easy cuff 22-42 cm.

## • 49906 OMRON M3 COMFORT HEM-7155-E

With Intelli Wrap Cuff 22-42 cm.

## • 49908 OMRON M4 INTELLI IT HEM-7155T-EBK

With Intelli Wrap Cuff 22-42 cm.

It monitors hypertension at home and automatically updates and transfers results to smartphones by Bluetooth on OMRON App.

## • 49910 OMRON M6 COMFORT - HEM-7360-E

With Intelli Wrap Cuff 22-42 cm.

It detects the possibility of Atrial fibrillation, enabling home monitoring. It also takes 3 consecutive readings at 30 second intervals, then displays the average to give more accurate indication of blood pressure.

### MULTILINGUAL BOX AND MANUAL

Standard languages: GB, FR, IT, ES, DE, NL, RU, TR, Arabic

Other languages: available on Omron website



## • 49902 OMRON M2 HEM-7143-E

## • 49903 OMRON M2 INTELLI IT HEM-7143T-EBK

With cuff 22-32 cm. Unique Intellisense™ Technology and Irregular Heartbeat Detection. One-touch design and large display.

### TECHNICAL SPECIFICATIONS

	49902 M2	49905 M3	49908 M4	49910 M6 COMFORT
	49903 M2 INTELLI IT	49906 M3 COMFORT	INTELLI IT	49915 M7 INTELLI IT
Measuring method:	oscillometric			
Measuring range: Pressure:	0 mmHg to 299 mmHg ± 3 mmHg			
Pulse:	40 to 180 min ± 5% of display reading			
Memory (with date and time):	30	60x2 users	60x2 users	100x2 users
Inflation:	fuzzy logic controlled by electric pump			
Deflation:	automatic pressure release valve			
Rating:	DC 6V 4W	6VCC 4W		
Power source:	4 "AA" batteries 1.5 V			
Battery life (N° of measurements):	1000			
Protection against electric shock:	internally powered ME equipment (when using batteries)			
Weight (console+cuff) without batteries:	250+130 g	310+170 g*	340+163 g	460+163 g
Size:	103x140xh 82 mm	105x153xh 87 mm	105x152xh 85 mm	191x120xh 85 mm
Cuff materials:	nylon and polyester			
Measurable circumference (cm):	22-32 (arm)	22-42 (arm)	22-42 (arm)	22-42 (arm)

\*M3 Comfort weight 337+163 g



## OMRON EVOLV ALL IN ONE ARM BLOOD PRESSURE MONITOR

• **49900 OMRON EVOLV ALL IN ONE ARM BLOOD PRESSURE MONITOR**  
Easy to use, all in one upper arm blood pressure monitor takes accurate readings in any position around the upper arm and track progress via smartphone.

- All in one upper arm blood pressure monitor: no tubes, no wires, simply accurate

- **Intellisense Technology:** inflates the cuff to the ideal level

- **Intelli Wrap cuff:** for an easy and accurate reading

- **Clinically Validated:** proven reliability and accuracy under vigorous testing procedures by major health organisations.

- **Cuff Wrap guide:** indicates if the cuff is wrapped correctly, not too loose or too tight

- **OMRON connect App:** get connected, access anytime, see progress. Mobile application for iPhone / Android™.

Supplied with battery set, storage case, manuals.

Compatible with Alexa.

Multilingual box and manual: GB, FR, IT, ES, DE, NL, RU, TR, Arabic.

### TECHNICAL SPECIFICATIONS

Cuff Type:	Intelli Wrap Cuff 22-42 cm
Memory:	100 Readings
Cuff Wrap Guide:	Yes
Irregular Heartbeat Detection:	Yes
Body Movement Detection:	Yes
Validation:	Clinical Validation, Pregnancy Validation
Intellisense Technology:	Yes
Stroke Prevention:	Yes
Size:	12x17.3x12.5 cm



3 YEARS  
WARRANTY



OMRON

49900



With standard cuffs, 1-in-3 people measure their blood pressure incorrectly. EVOLV's Intelli Wrap Cuff Technology ensures 360° accuracy in any position around your upper arm.



EVOLV can sync your readings to your smartphone to track results, monitor progress, and get a deeper understanding of your health. See smartphone compatibility list on [omronconnect.com/emealen\\_gb/](http://omronconnect.com/emealen_gb/)

## OMRON WRIST BLOOD PRESSURE MONITORS

32946



CE 0197

• **32946 OMRON RS4 HEM-6181-E - wrist**  
Led positioning sensor and cuff wrap guide indicate if the cuff is positioned correctly.

Multilingual box and manual:

GB, FR, IT, ES, DE, NL, RU, TR, Arabic.

49923



CE 0197

• **49923 OMRON RS7 INTELLI IT - HEM-6232T-E - wrist**  
Intellisense technology makes measurement quick and comfortable. Advanced positioning sensor and cuff positioning guide for reliable measurements, which can be saved and tracked via Bluetooth through OMRON App. Multilingual box and manual: GB, FR, IT, ES, DE, NL, RU, TR, Arabic.



### TECHNICAL SPECIFICATIONS

	32946 RS4	49923 RS7
Measuring method:	oscillometric	
Measuring range:		
Pressure:	0 mmHg to 299 mmHg ± 3 mmHg	
Pulse:	40 to 180 min ± 5% of display reading	
Memory (with date and time):	60	100x2 users
Inflation:	automatic	
Deflation:	automatic	
Rating:	DC3 V 3.0W	
Power source:	2 "AAA" batteries 1.5 V	
Battery life (N° of measurements):	300	
Protection against electric shock:	internally powered ME equipment (when using batteries)	
Weight (console+cuff) without batteries:	86 g	91 g
Size (mm):	93x62x20	91x13x20
Cuff materials:	nylon and polyester	
Measurable circumference (cm):	13.5-21.5 (wrist)	

OMRON

## OMRON CUFFS AND ACCESSORIES



32933  
Standard cuff 22-32 cm



32938  
Easy adult cuff 22-42 cm



49920  
Intelli Wrap cuff 22-42 cm

GIMA code	OMRON code	ACCESSORIES	Size	M2	M2 Intelli IT	M3	M3 Comfort	M4	M4 Intelli IT	M6	M6 Comfort	M7	M7 Intelli IT
32930	HEM-CS24-E	Small cuff	17-22 cm	•	•	•							
32933	HEM-CR24	Adult cuff	22-32 cm	•	•	•							
32938	HEM-RML31	Easy adult cuff	22-42 cm	•	•	•							
49920	HEM-FL31-E	Intelli adult wrap cuff	22-42 cm				•	•	•	•	•	•	•
32929		AC/DC adaptor - optional		•	•	•	•	•	•	•	•	•	•

Fits normal and large arms eliminating inaccurate readings associated with incorrect positioning. AFib indication function.

OMRON

## EASYCHECK DIGITAL B.P. MONITOR

### • 49880 EASYCHECK DIGITAL BLOOD PRESSURE MONITOR

LED screen electronic sphygmomanometer with simple interface to measure systolic, diastolic and mean blood pressure as well as pulse rate. NIBP records can be reviewed.

For family and clinic use and for routine test.

Features:

- one-key measurement, easy to use
- records and stores up to 199 groups of measurements
- LED colour screen with big font easy to read
- automatic power off when there is no operation
- high pressure prompt
- low battery and error indication
- switchable: mmHg and kPa

Supplied with adult cuff and 4 alkaline batteries AA.

Multilingual manual in: GB, FR, IT, ES, PT, DE, PL, RO, GR, SE, HR, Arabic

- 49881 CUFF - adult - 22-32 cm - spare
- 80555 CUFF - adult X-large - 22-43 cm - optional
- 80556 POWER ADAPTOR 100-240V, 50/60 Hz - optional



Size: 128x100xh 72 mm  
Weight: 281 g



49980

#### TECHNICAL SPECIFICATIONS

Measurement method:	Oscillometry
Measurement range:	0 kPa (0 mmHg) - 39.6 kPa (297 mmHg)
Resolution:	0.133 kPa (1 mmHg) ±0.4 kPa (±3 mmHg)
PR measurement range:	40 bpm - 240 bpm
Inflation:	automatic inflation by force pump
Deflation:	automatic multistep deflation
Display:	LED large colour screen
Power:	Four "AA" batteries or optional 5V power adapter
Safety:	Class II Type BF

## SMART AUTOMATIC DIGITAL B.P. MONITOR - ESH VALIDATION



Display 62x43 mm LCD



European Society  
Hypertension

32921

### • 32921 SMART AUTOMATIC B.P. MONITOR with adult cuff

Compact, fully logic, multiuser, B.P.M. with innovative features:

- smart inflation technology for automatic pumping to proper pressure
- WHO blood pressure indicator
- IHB Irregular Heartbeat Detection
- average value of latest 3 readings
- 2x60 memories, date and time
- displays systolic, diastolic and pulse rate separately
- multilingual manual and box: GB, FR, IT, DE, ES, PT, PL, GR, Arabic

• 32922 CUFF - adult small - 22-30 cm (8-11") - black - spare

• 32923 CUFF - adult - 30-42 cm (11-16") - grey

• 32920 CUFF - adult large - 42-48 cm (16-18.2") - grey

#### TECHNICAL SPECIFICATIONS

Measuring method:	oscillometric, automatic inflation and measurement
Measuring range:	cuff pressure: 0-300 mmHg ±3 mmHg
	pulse rate: 40-180 beats/min ±5% of reading
	systolic: 60-260 mmHg
	diastolic: 40-199 mmHg
Power supply:	4x "AA" batteries 1.5 V
Dimensions - Weight:	138x98x48 mm - 211 g (excluding batteries)
Arm cuff:	for arm circumferences 22-30 cm, 30-42 cm or 42-48 cm

## SMART AUTOMATIC DIGITAL WRIST B.P. MONITOR



32918



European Society  
Hypertension

Display  
31.9x39.6 mm LCD

Multilingual manual  
and box: GB, FR, IT, DE,  
ES, PT, PL, GR, Arabic

### • 32918 SMART AUTOMATIC WRIST B.P. MONITOR

Compact, fully logic, B.P.M. with innovative features:

- smart inflation technology for automatic pumping to proper pressure
- WHO blood pressure indicator
- IHB Irregular Heartbeat Detection
- average value of latest 3 readings
- 2x60 memories, date and time
- displays systolic, diastolic and pulse rate separately

#### TECHNICAL SPECIFICATIONS

Measuring method:	oscillometric, automatic air inflation and measurement
Cuff pressure:	0-295 mmHg ±3 mmHg
Pulse rate range:	40-180 beats/min ±5% of reading
Range of measurement:	30-280 mmHg
Power supply:	2x "AAA" batteries 1.5 V
Dimensions - Weight:	84x64x28 mm - 110 g (excluding batteries)
Wrist cuff:	applicable for wrist circumferences 14-19.5 cm

## ANDON DIGITAL B.P. MONITOR

### • 32901 ANDON B.P. MONITOR

• 32922 CUFF - adult small - 22-30 cm - spare

• 32923 CUFF - adult - 30-42 cm

• 32920 CUFF - adult large - 42-48 cm



- large easy to read LCD display, WHO blood pressure indicator
  - 4 groups x 30 times with time and date stamp
  - average of all saved measured blood pressure values for the last 7 days
  - arrhythmia detection (HB)
  - automatic switch-off
- Multilingual box and manual:  
GB, FR, IT, ES, PT, DE

Measurement system	Oscillometric method
Measurement range	Pressure: 0-300 mmHg ±3 mmHg Pulse: 40-180 pulse/min ±5%
Power Source	4x1.5 V AAA batteries - not included
Dimensions - weight	107x80xh 52 mm - 170 g (ex. batteries)
LCD size	66x58.5 mm



32901

Cuff  
circumference:  
22-30 cm



## X-LIFE AUTOMATIC DIGITAL B.P. MONITORS - ESH VALIDATED

Size: 140x104x50 mm  
Weight: 247 g

LCD size 60x51 mm

Cuff size for arm  
circumferences  
23-33 cm



32924

Supplied with  
carrying bag



- **32924 X-LIFE B.P. MONITOR - arm**
  - **32926 X-LIFE B.P. MONITOR - wrist**
- Accurate and precise automatic digital blood pressure meters for smooth and fast measurements with innovative functions:
- **IHB:** irregular heartbeat detector
  - **WHO risk category indicator** (classifies your measurements in 6 stages of risk, from optimal to severe hypertension)
  - proven clinically to meet European Society of Hypertension ESH protocol
  - easy to read, wide angle display
  - 120 memories for 3 users: 3 zones of 40 memories each
  - start/stop unique button, with blue backlight



European Society  
Hypertension

Size: 74.5x74x30 mm  
Weight: 95 g

LCD size 34.5x42 mm

Cuff size for wrist  
circumferences  
13.5-19.5 cm



32926



Liquid crystal  
display

- multilingual manual and box: GB, FR, IT, ES
- memory average: automatically average last 3 memories
- **32925 SPARE CUFF for 32924 - adult**
- **32927 AC ADAPTOR for 32924**

### TECHNICAL SPECIFICATIONS

Measuring method:	oscillometric
Measuring range:	pressure: 0-300 mmHg pulse: 40-199 bpm
Accuracy:	pressure: $\pm 3$ mmHg pulse: $\pm 5\%$
Power supply:	arm type: 4xAAA alkaline batteries wrist type: 2xAAA alkaline batteries
Battery life:	arm type: 300 measures wrist type: 250 measures

## JOLLY DIGITAL B.P. MONITOR



European Society  
Hypertension



32777



- **32777 JOLLY DIGITAL BLOOD PRESSURE MONITOR**
- Professional Blood Pressure monitor for medical use.
- large easy-to-read illuminated LCD display 86x74 mm
  - WHO classification
  - arrhythmia detection (IHB)
  - 4-person memory zone - 30 memory space each
  - average of all saved measured values and morning and evening blood pressure of the last 7 days
  - time and date
  - automatic switch-off
- Multilingual manual and box:  
GB, FR, IT, ES, PT, DE, PL, GR.
- **32922 CUFF - adult -**  
22-30 cm (8-11") - black - spare
  - **32923 CUFF - adult large -**  
30-42 cm (11-16") - grey
  - **32920 CUFF - adult extra large -**  
42-48 cm (16-18.2") - grey



### TECHNICAL SPECIFICATIONS

Measurement system:	Oscillometric method
Measurement range:	Pressure: 0-300 mmHg $\pm 3$ mmHg Pulse: 40-180 pulse/min. $\pm 5\%$
Power source:	4x1.5 V AAA batteries included
Outside dimension:	150x95xh 65 mm
Weight:	approx 235 g (without batteries)

## DOMINO DIGITAL B.P. MONITOR

Automatic inflation  
deflation



32803



- **32803 DOMINO DIGITAL BLOOD PRESSURE MONITOR**
  - **32804 DOMINO DIGITAL B.P.M. on trolley with basket**
- Professional Blood Pressure monitor for hospital and medical use.
- extra large LCD display with innovative design
  - date/time/ambient temperature ( $^{\circ}\text{C}/^{\circ}\text{F}$ ) display
  - IHB Irregular heartbeat detector
  - WHO blood pressure classification indicator
  - 120 memories (60 sets for 2 users)
  - alarm clock reminding function
- Multilingual manual and box:  
GB, FR, IT, ES, PT, DE, GR, Arabic
- **32802 AC ADAPTOR 230 V - 50 Hz**
  - **32809 ADULT CUFF - spare**
  - **32865 COILED TUBING**  
EXTENSION 3 m (42/45 spirals)



### TECHNICAL SPECIFICATIONS

Measuring range:	Pressure - 40-260 mmHg Pulse: 40-160 beats/min.
Accuracy:	Pressure $\pm 3$ mmHg Pulse: $\pm 5\%$
Power supply:	4x "AA" batteries or AC adaptor (option)
External dimension:	158x120xh 127 mm
Weight:	490 g

32804



## ERKA VARIO: DESK, WALL AND TROLLEY

- 32671 VARIO - desk - adult cuff - 285.20.481
  - 32672 VARIO - wall - adult cuff - 288.20.481+295.00.003
  - 32673 VARIO - trolley Ø 50 cm - adult cuff - 288.20.481+995.00.003
- Superior quality product, for use in consulting rooms or hospital. The Vario model consists of a high precision manometer in a high quality ABS housing with an integrated fastening spigot for individual variable swivelling, a big cuff basket in white powder coated sheet steel, a bulb holder and spiral tubing with bulb and air release valve. This high quality chromium-plated valve makes sensitive adjustments easy. The 150 mm scale is equipped with a mirrored exterior ring and non-reflective manometer glass.
- 32898 PEDIATRIC "SUPERB" CUFF 2 TUBES - 20.5-28 cm\*
  - 32899 ADULT "SUPERB" CUFF 2 TUBES - 27-35 cm\* - spare
  - 32900 LARGE "SUPERB" CUFF 2 TUBES - 34-43 cm\*

\*Arm circumference

### TECHNICAL SPECIFICATIONS

Height with basket:	260 mm (32672-3)
Width with basket:	180 mm (32672-3)
Depth with basket:	120 mm (32672-3)
Graduation:	0-300 mmHg $\pm 3$ mmHg
Weight with basket:	1,350 g
Height of trolley:	830-1,360 mm (adjustable)
Tubing system Ø:	18-25 mm
Swivel range:	up to 60 deg°

32671



## RIESTER BIG BEN®

- 32742 RIESTER BIG BEN® - rail (clamp code 32766 and rail not included)
  - 32743 RIESTER BIG BEN® - wall
  - 32746 RIESTER BIG BEN® - trolley Ø 54 cm - velcro adult cuff
  - 32740 RIESTER BIG BEN® - trolley Ø 54 cm - adult one piece cuff
  - 32748 RIESTER BIG BEN® - desk
- Aneroid sphygmomanometer, made of resistant plastic, with large dial (147 mm) and white pointer on black dial plate for easy-to-read measurements from 0 to 300 mmHg. Basket on back for cuff storage after use. Velcro-closure black cuff 2 tubes and long coil tubing. Made with no natural rubber or latex.
- 32766 RAIL CLAMP
- Universal clamp (for code 32742) for any rail.

MADE IN GERMANY



## DAYTON DESK/WALL SPHYGMO

- 32745 DAYTON SPHYGMO - desk/wall model
- Provided with big dial (Ø 113 mm) for easy reading. Basket with handle easy to move and carry. Nylon cuff with D ring. Wall fixing. Size: 130x130x135 mm - Weight: 180g Measuring range: 0-300 mmHg  $\pm 3$  mmHg.
- 32850 ADULT CUFF - black - spare
- Available also 32839, 32841, 32843, 32847, 32849 see page 305



Large basket with handle for cuff

CE 0123

PVC bladder and bulb

Made with no natural rubber or latex.



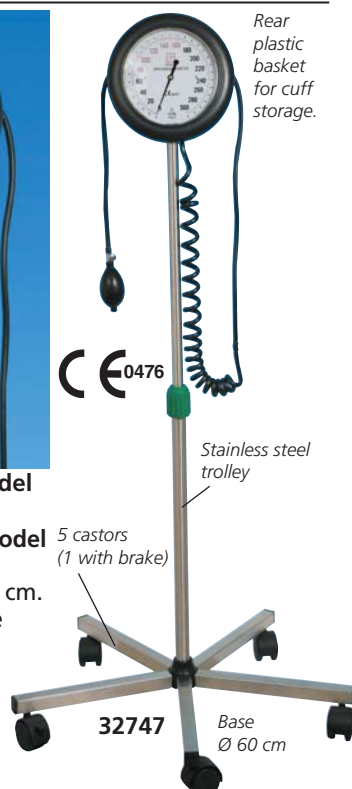


## DALLAS SPHYGMO: WALL AND TROLLEY



• **32749 DALLAS SPHYGMOMANOMETER - wall model**  
Provided with rear plastic basket for cuff storage.

• **32747 DALLAS SPHYGMOMANOMETER - trolley model**  
Provided with rear plastic basket and stainless steel trolley adjustable in height, with 5 plastic castors Ø 5 cm. All DALLAS sphygmometers are provided with extra large dial plate (Ø 150 mm) for easy reading, black nylon calibrated cuff and latex quality inflation system and bladder. Scale 0-300 mmHg. Multilingual manual: GB, FR, IT, ES, PT, DE, GR. Multilingual box (32749 only): GB, FR, IT, ES, PT, DE, GR, Arabic.



## DENVER SPHYGMO

• **32744 DENVER SPHYGMOMANOMETER - trolley - adult cuff**

Trolley sphygmomanometer, light but with high stability and 360° swivelling castors.

Adjustable height

(90 to 135 cm)

with metal

basket.

Square-shaped-dial 145x145 mm.

Nylon cuff,

2-tube adult

TPU bladder, PVC bulb, dual

use air-release valve with

spring, spiral PVC tube (1.8 m).

Multilingual manual: GB, FR, IT, ES, PT, DE, GR.

**CALIBRATED NYLON CUFFS**

• **32839 CHILD CUFF - black**

• **32850 ADULT CUFF - black - spare**

• **32841 ADULT LARGE CUFF - black**

All cuffs with 2 tubes

TPU bladder.



## LCD DISPLAY, MERCURY-FREE SPHYGMOMANOMETERS

### MERCURY FREE SPHYGMOMANOMETERS

LCD display mercury-free sphygmomanometers provide reliable and precise results.

Manual inflation and air release.

Two measuring methods: button AUSC (Auscultation), for use with a stethoscope, button OSCI (Oscillometric), to get the result automatically, without need of a stethoscope, just inflate the cuff not less than 180 mmHg.

Suitable for pediatric use with auscultation method only (need 32825).

Supplied with adult cuff.

Multilingual box and manual: GB, FR, IT, ES, PT, DE, GR, Arabic.



- **32800 GREEN MERCURY FREE SPHYGMO - desk**
- **32801 GREEN MERCURY FREE SPHYGMO - on trolley with basket**
- **32825 PEDIATRIC CUFF 17-22 cm - optional**
- **32827 ADULT CUFF 22-32 cm - spare**

#### TECHNICAL SPECIFICATIONS (32800, 32801)

Size: 360x96x66 mm (32800)

Measuring range: 20-280 mmHg

Power supply: battery

Accuracy: pressure: ±3 mmHg

### AND PROFESSIONAL MERCURY FREE SPHYGMOMANOMETERS

Professional highly advanced digital blood pressure monitor

- auscultatory blood pressure measurement

- digital readout for pulse rate

- cuff holder and grip for carrying

- durable and chemical resistant body

- full ABS housing lightweight body

- adjustable display column for easier analysis of results

- anti-glare display minimizes reflected light



- **32775 UM-102A MERCURY FREE SPHYGMOMANOMETER - desk**
- **32776 UM-102B MERCURY FREE SPHYGMOMANOMETER - trolley**

#### TECHNICAL SPECIFICATIONS

Size:

Measuring range - pressure:

- pulse:

Power supply:

360x96x66 mm (32775)

0-300 mmHg ±3 mmHg

40-180 beats/minute ±5% (32775-6)

2x1.5V AA alkaline batteries

## YTON ANEROID SPHYGMOMANOMETERS

### YTON ANEROID SPHYGMOMANOMETERS

Economic sphygmomanometers with nylon cuff with velcro closure, reliable manometer with clip to be fixed on the cuff.

Scale 0-300 mmHg. Air release at closed tap max 4 mmHg/minute.

Manual setting of deflation possible up to  $\frac{2}{3}$  mmHg/sec.

From 260 mmHg to 15 mmHg max deflation time 10 sec.

Scale graduated every 2 mmHg.

Floating zero (the pointer has no stop point but swings freely),

nylon velcro cuff, latex bulb with chromium plated valve.

Chromium-plated air tap with air release regulation by screw valve.

Supplied with a simulated-leather soft pouch with zip in a carton box.

Available in 5 versions: standard, with one piece cuff, latex free, with incorporated stethoscopes or kit (sphygmomanometer+stethoscope).

Multilingual box and manual: GB, FR, IT, ES, PT, DE, GR, PL\*, SE\*, FI\*,

RO\*, Arabic. \* only 32692

GIMA code	YTON SPHYGMOMANOMETERS	
32720	YTON - black cuff	■
32692	YTON - one piece cuff	■
32704	YTON latex-free - blue cuff	■
32703	YTON - with incorporated - stethoscope - black cuff	■
32693	YTON KIT - sphygmomanometer + stethoscope	■
32701	YTON MANOMETER - spare	



**32703**  
Yton with incorporated Stethoscope



**32720**  
Yton sphygmomanometer



## KOBE PALM SPHYGMOMANOMETER

### 32690 KOBE PALM SPHYGMOMANOMETER

Economic, lightweight, palm type sphygmomanometer with reliable large dial manometer for easy reading.

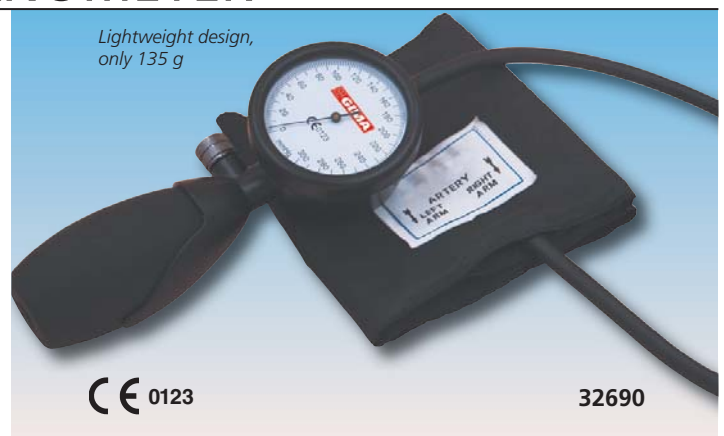
Scale 0-300 mmHg, graduated every 2 mmHg.

Adult nylon cuff, PVC bladder, PVC inflation bulb with handle, release valve nicked in black.

Supplied in vinyl carrying case with 10 languages user manual and box (GB, FR, IT, ES, PT, DE, GR, RO, HU, Arabic).

• 32845 ADULT CUFF - spare

• 32846 PEDIATRIC CUFF - optional





## SPHYGMOMANOMETERS WITH GAUGE ON THE CUFF



Extra large dial Ø 65 mm

Extra large bulb 9x5 cm

MADE IN ITALY

- **32724 BERLIN SPHYGMO - velcro cuff**  
High quality sphygmomanometer with gauge mounted on cuff:  
- high reliable manometer with extra large dial Ø 65 mm  
- top quality and resistant linen cuff with simulated leather support and velcro closure  
- extra large PVC bulb, 9x5 cm, latex free German manometer



MADE IN ITALY

- **32723 EXACTOPHON SPHYGMO - pull-on strap cuff**  
GIMA quality and reliability in a stylish and long-life sphygmomanometer. EXACTOPHON has a reliable manometer fixed on a simulated leather support, on a highly resistant linen pull-on straps cuff. Supplied in a nice carrying case and box.
- **32805 EXACTOPHON BLADDER - spare**



ECONOMIC

LATEX FREE

- **32719 GIMATONO - latex free**  
Economic sphygmo with chrome-plated manometer fixed on the cuff, provided with a rubber protective ring. Nylon cuff with simulated-leather support. Two tubes adult size latex free TPU bladder, with standard latex free PVC bulb. Supplied in nylon bag and cardboard box.

## SHOCK RESISTANT SPHYGMO MINOR 2 SPHYGMO - 2 TUBES



32702

- **32702 SHOCK RESISTANT SPHYGMO - nylon-cuff**  
High quality, shock resistant sphygmomanometer matching the ISO 81060 standard.

**One piece design with damped system manometer**  
Creative design with a new structure that fixes all parts together closely to make it more steadier. The damped system absorbs impacts.

### Other features

- large dial Ø 55 mm easy to read
- high precision air-release valve, provides precise rate adjustment and quick deflation
- adult nylon cuff with latex-free bladder
- soft bulb for fast inflation.

Multilingual box and manual: GB, FR, IT, ES, PT, DE.



32714

LATEX FREE

- **32714 MINOR 2 SPHYGMO - 2 tubes - black nylon velcro cuff**
- **32713 MINOR 2 SPHYGMO - 2 tubes - green cotton hook cuff**  
High quality sphygmomanometer with traditional design and modern features.  
- high precision manometer, adjustable by turning a screwdriver, for perfect calibration any time  
- 2 tubes system for quick inflation  
- Available with washable coated fabric velcro cuff or cotton hook cuff



Adjustable gauge for perfect calibration

Manual in:  
GB, FR, IT,  
ES, PT, DE,  
GR, Arabic



## SIRIO SPHYGMO AND 3 MULTICUFF KIT WITH BAG

CE 0476



32729

- **32729 SIRIO SPHYGMO - adult**  
Classic sphygmomanometer with fabric cuff with velcro closure (green/grey colour). Reliable large dial manometer (60 mm) for easy readings, fixed on bulb. Scale 0-300 mmHg, graduated every 2 mmHg. Supplied in carrying case and box, with multilingual user manual: GB, FR, IT, ES.



- **32705 SIRIO PEDIATRIC KIT - sphygmo with 3 pediatric cuffs**

Sirio with 3 pediatric cuffs: minicuff (32812) 4 months - 3 years, minicuff (32813) 3-7 years, minicuff (32814) 7-10 years in a nylon bag.

- **27177 SIRIO MULTICUFF PEDIATRIC BAG - empty**



32705

- **32706 SIRIO KIT 3 - sphygmo with 3 one piece cuffs**

Sirio with 3 one piece cuffs: child (32910), adult (32911) and adult large (32912) in a nylon bag.

- **27178 SIRIO MULTICUFF BAG 3 - empty**



32706

- **32707 SIRIO KIT 5 - sphygmo with 5 cuffs**

Sirio with 5 cuffs: infant cuff (32886), child cuff (32888), adult cuff (32830), adult large cuff (32834) thigh cuff (32837) in a nylon bag.

- **27179 SIRIO MULTICUFF BAG 5 - empty**



32707

## LONDON: PROFESSIONAL SPHYGMO

CE 0476



32725

- **32725 LONDON SPHYGMO - adult - black cuff**
  - **32726 LONDON SPHYGMO - adult - red cuff**
- Professional, stylish, reliable, lightweight and latex free sphygmomanometer with ABS manometer, integral PVC bulb, high quality precision mechanism, velcro closure calibrated nylon cuff and one tube TPU bladder. Dial Ø 55 mm, with specially designed eye-catching colour printing and easy to read. Special outer ring protects the manometer from shocks and the glass from scratches. Supplied in a nice colour co-

CE 0476

Calibrated nylon cuff

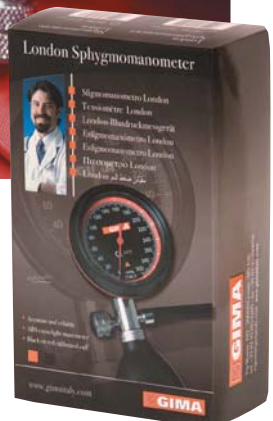


32726

ordinated carrying bag with multilingual box and user manual: GB, FR, IT, ES, DE, PT, GR.



32726





## TOKYO AUTOMATIC

- **32736 TOKYO 2 SPHYGMO** - adult - black cuff
- Professional sphygmomanometer with large Ø 65 mm dial and **button type air release valve**. ABS light plastic case and extra shock-proof ring for long durability. Supplied with black nylon calibrated cuff (54x14.5 cm) with D-ring, black 1-tube PVC, latex free bladder and black, latex free PVC bulb in a nylon carrying bag and cardboard box. Multilingual box and manual: GB, FR, IT, ES, DE, PT, GR, Arabic.

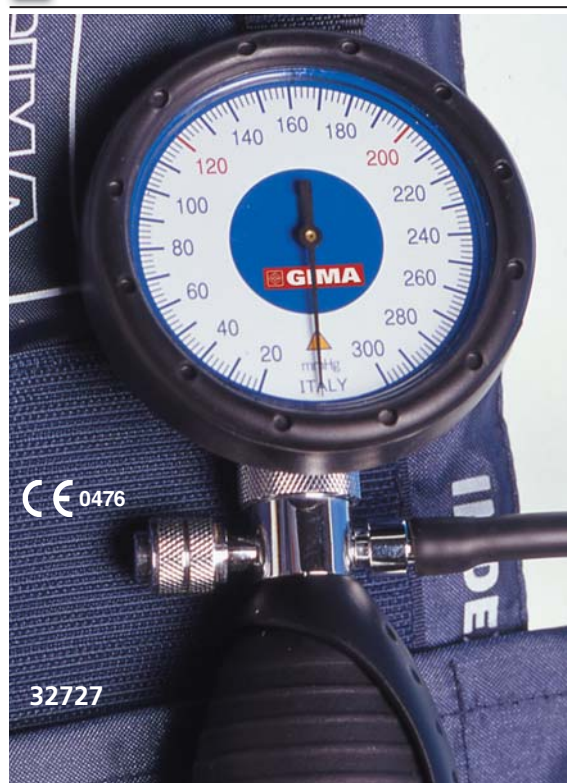


CE 0476  
32736

Flat bottom bulb with three handling modes for right and left users

Press the button, rapid deflation

## ROMA SPHYGMOMANOMETERS - 4 DIFFERENT MODELS



CE 0476

32727



32709

Pediatric



32734

Classic, lightweight, reliable palm model aneroid sphygmo with certified manometer ABS housing, integral PVC bulb and air release valve for one-hand use, provided with handle, blue nylon, velcro closure, calibrated cuff and 1 tube TPU bladder. Large dial Ø 60 mm, with rubber protective ring. Supplied in a nice nylon carrying bag with external velcro pocket and cardboard box. Latex free.

- **32727 ROMA SPHYGMO** - adult - 1 tube
  - **32734 ROMA SPHYGMO** - adult - 2 tubes
  - **32709 ROMA SPHYGMO** - pediatric - 1 tube
- Same as 32727 but with pediatric cuff 35x11 cm
- **32856 PVC RIBBED BULB**
  - **32857 PVC PROTECTIVE RING**



32734

## ROMA MULTICUFFS KIT



CE 0476

32738

- **32738 ROMA KIT** - Sphygmo with 3 cuffs
- Same as code 32727 but supplied with 3 cuffs: one pediatric (35x11 cm), one adult (53x14.5 cm) and one adult large (62x17.5 cm). Made with no natural rubber or latex..

## EMERGENCY MULTICUFF KIT

- **32771 EMERGENCY SPHYGMO KIT** - 5 cuffs
- Palm type sphygmomanometer with orange silicone shockproof ring and orange cup of air-release valve. PVC tube and 1 tube TPU bladder. Supplied in a plastic carrying case with 5 cuffs: XS infant (13-19 cm), S child (18.4-26.7 cm), M adult (25.4-40.6 cm), L adult large (33.3-51 cm), XL thigh (40.6-66 cm). Multilingual manual and box: GB, FR, IT, ES.



32771

CE 0123



## NEWBORN TO OBESE CUFFS FOR ANEROID SPHYGMOMANOMETER



### CALIBRATED NYLON CUFFS

Calibrated nylon cuffs with TPU bladder and PVC tube.

CALIBRATED CUFFS - latex free - nylon					
1 tube*	2 tubes**	Colour	Model	Size cm	Arm circumference
-	32839	Black	Pediatric	35x11	19 to 26 cm
32846	32847	Blue	Pediatric	35x11	19 to 26 cm
32842	32843	Blue	Adult	49x15	26 to 40 cm
32844	-	Red	Adult	49x15	26 to 40 cm
32845	32850	Black	Adult	49x15	26 to 40 cm
32848	32849	Blue	Adult large	62x17.5	34 to 51 cm
-	32841	Black	Adult large	62x17.5	34 to 51 cm

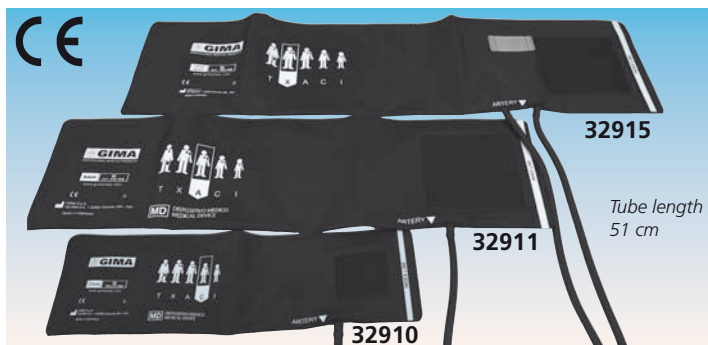


### PREMIUM CUFFS

Made of high quality nylon 210D.

Durability test up to 10,000 cycles.

PREMIUM CUFFS dark grey - nylon - TPU bladder - velcro fastening				
1 tube*	2 tubes**	Model	Size cm	Arm circumference
32817	32818	Newborn	5.5x18.5	9.5 to 13.5 cm
32886	32887	Infant	7.5x26	13 to 19 cm
32888	32889	Child	11x34.5	19 to 27 cm
32830	32832	Adult	54x15	25.4 to 40.6 cm
32834	32835	Adult large	61x17.5	34.3 to 50.8 cm
32837	32838	Thigh	82x21.5	40.6 to 66 cm
ADULT PREMIUM CUFFS coloured - nylon - TPU bladder - velcro fastening				
49750	-	Adult - royal blue	54x15	25.4 to 40.6 cm
49751	-	Adult - teal	54x15	25.4 to 40.6 cm
49752	-	Adult - ceil blue	54x15	25.4 to 40.6 cm
49753	-	Adult - pink	54x15	25.4 to 40.6 cm
ADULT CUFFS grey/green - cotton - TPU bladder - velcro fastening				
32829	-	Adult	54x15	25.4 to 40.6 cm



### BLADDERLESS NYLON CUFFS

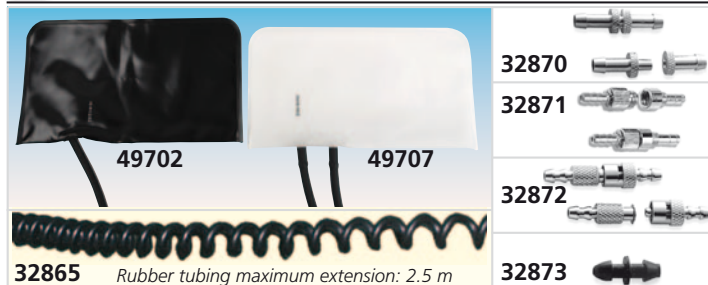
- reusable above 10,000 times
- prevent cross-contaminations
- washable up to 60°C
- soft feeling on the skin
- disinfectable with alcohol/ethanol
- according to ISO 105 E01

BLADDERLESS ONE PIECE CUFF - latex free				
1 tube*	2 tubes**	Model	Size	Arm circumference
32910	32913	Children	10x34 cm	19 to 27 cm
32911	32914	Adult	14.5x54 cm	26 to 41 cm
32912	32915	Adult large	16x63 cm	34.3 to 51 cm
32919	32890	Thigh	20x83 cm	40.6 to 66.5 cm

\*One tube cuff for Sirio, London, Boston, Roma 1T, Tokyo, Madrid, Ri-san, Precisa, Minimus...

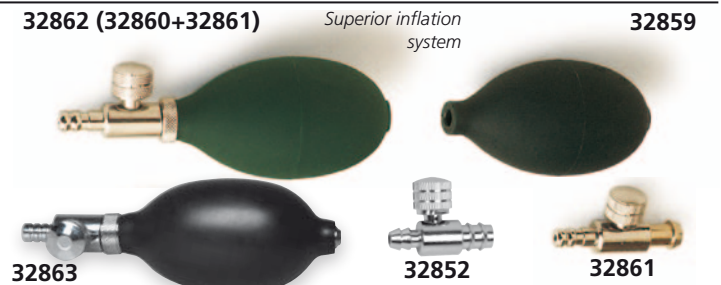
\*\*Two tubes cuff for Minor, Yton line, Roma 2T, Dallas, Big Ben, Empire, Dayton...

## SPHYGMOMANOMETERS SPARE PARTS AND ACCESSORIES



GIMA code	SPHYGMOMANOMETERS SPARE PARTS	Minimum order
32865	Coiled tubing - black (42-46 spirals) - 39.5 cm	1
32808	Nylon velcro cuff (no bladder) 54 x15 cm*	1
49700	PVC Bladder - 1 tube - child	box of 5
49702	PVC Bladder - 1 tube - adult	box of 5
49703	PVC Bladder - 2 tubes - adult	box of 5
49706	TPU Bladder - 1 tube - adult	box of 5
49707	TPU Bladder - 2 tubes - adult	box of 5
32870	Male-Female metal connector	box 10
32871	Screw Type metal connector	box 10
32872	Bayonet Type metal connector	box 10
32873	Plastic connector	box 100

\*Can be used with 32874 or 32875



GIMA code	SPHYGMOMANOMETERS SPARE PARTS	Minimum order
32854	Yota PVC bulb - black - latex free	1
32851	Yota PVC bulb - green	1
32863	PVC bulb - black	box of 10
32855	Yota latex bulb - black	1
32860	Superior PVC bulb - green - latex free*	1
32859	Superior PVC bulb - black*	1
32852	Yota chrome-plated air release valve	1
32861	Superior chrome plated air valve	1
32853	Yota inflation system	1
32862	Superior inflation system - latex free*	1
32863	Deluxe inflation system	1

\*Made in Germany



## RIESTER ORIGINAL CUFFS - LATEX FREE

### RIESTER VELCRO CUFFS WITH BLADDER 1 OR 2 TUBES

Child, adult, thigh cuffs made of high quality materials.

GIMA code	RIESTER code	RIESTER CUFFS 1 TUBE	Colour	Size cm	Circum. cm	Compatibility
49811	129	Child velcro cuff	light blue	35.5x10	13 - 17	All Riester single tube manual aneroid sphygmomanometers*
49810	120	Adult small velcro cuff	black	42x13	17 - 24	
49812	107	Adult velcro cuff	black	54.5x14.5	24 - 34	
49813	122	Adult large velcro cuff	black	70x15	34 - 44	
49814	125	Thigh velcro cuff	black	70x22	42 - 50	
		RIESTER CUFFS 2 TUBES				
49821	130	Child velcro cuff	light blue	35.5x10	13 - 17	All Riester twin tube sphygmomanometers including BigBen
49820	121	Adult small velcro cuff	black	42x13	17 - 24	
49822	108	Adult velcro cuff	black	54.5x14.5	24 - 34	
49823	123	Adult large velcro cuff	black	70x15	34 - 44	
49824	126	Thigh velcro cuff	black	70x22	42 - 50	

\*Metal valve (included in Minimus II, E-Mega, Babyphon cuff) not included with spare cuff, can use valve from old cuff

### RIESTER ONE PIECE CUFFS 1 OR 2 TUBES

They prevent cross contaminations. Comfortable soft surface, latex free. Washable at 60°C and disinfected in liquid, reusable up to 10,000 times. ISO 105 E01 tested.

GIMA code	RIESTER code	ONE PIECE RIESTER CUFFS 1 TUBE - length 50 cm	Colour	Size cm	Circum. cm	Compatibility
49816	154	Child one-piece cuff	dark green	34.5x10	13 - 17	Same as cuffs 1 tube
49817	150	Adult one-piece cuff	dark green	54x14.5	24 - 32	
49818	152	Adult large one-piece cuff	dark green	63x16	32 - 41	
ONE PIECE RIESTER CUFFS 2 TUBES - length 50 cm						
49827	151	Adult one-piece cuff	dark green	54.5x14.5	24 - 32	Same as cuffs 2 tubes
49828	153	Adult large one-piece cuff	dark green	63x16	32 - 41	



## HEINE ORIGINAL CUFFS - LATEX FREE

### HEINE ORIGINAL CUFFS 1 TUBE

High quality single tube cuffs with velcro fastener. Perfectly balanced for comfort and ease of use. Compatible with all Heine sphygmomanometers. Water resistant, washable material. Latex free.

GIMA code	HEINE code	HEINE CUFFS 1 TUBE	Colour	Size cm	Circum. cm	Compatibility
49801	M-000-09-702	Child - 2	grey	10x34	13-20	All Heine 1 tube
49802	M-000-09-704	Adult small - 3	grey	14x53	20-29	
49803	M-000-09-619	Adult - 4	grey	14x58	29-41	
49804	M-000-09-706	Adult large - 5	grey	17x70	35-47	



## ERKA ORIGINAL GREEN CUFFS SUPERB RAPID - LATEX FREE

### ERKA GREEN CUFFS SUPERB RAPID 1, 2 OR TWIN TUBES

Superb cuffs are easy to disinfect and clean, equipped with a waterproof surface. Cuffs are comfortable and consist of a cover and a removable inflation bladder. Super soft adhesive and fleece strap on the cuff. Made of durable patented German PU material. Optimal in blood pressure measurement because of pressure distribution and the highly precise values. PVC, DEHP and latex free. Available in different sizes with 1, 2 or twin tubes.

GIMA code	ERKA code	ERKA GREEN CUFFS SUPERB RAPID 1 TUBE	Colour	Size cm	Circum. cm	Compatibility
32895	025-28493	Infant	grey	21.5x6.6	10-15	Switch and Kobold
32896	025-27493	Baby	grey	30.3x9.1	14-21.5	
32891	025-26493	Child	grey	40x11.6	20.5-28	
32892	025-20493	Adult	grey	47x14.3	27-35	
32893	025-24493	Adult large	grey	56x17.5	34-43	
32894	025-29493	Thigh	grey	75x21.5	42-54	
ERKA GREEN CUFFS SUPERB RAPID 2 TUBES						
32898	025-26481	Child	green	40x11.6	20.5-28	Vario
32899	025-20481	Adult	green	47x14.3	27-35	
32900	025-24481	Adult large	green	56x17.5	34-43	
ERKA GREEN CUFFS SUPERB RAPID TWIN TUBE						
32877	025-26482	Child	green	40x11.6	20.5-28	Perfect Aneroid and Profi
32878	025-20482	Adult	green	47x14.3	27-35	
32879	025-24482	Adult large	green	56x17.5	34-43	



## PRESS<sup>SAN</sup> HYGIENIC PROTECTION OF SPHYGMOMANOMETER

### • 32858 PRESS<sup>SAN</sup> HYGIENIC PROTECTION OF SPHYGMO - box of 10

A practical hygienic accessory for the sphygmomanometer to protect patient's skin whilst measuring the blood pressure. Made of a white non-woven fabric.

Ensures patient's comfort and hygiene.

Can fit any kind of sphygmomanometer or pressure holter.

MADE IN ITALY

32858



## RIESTER SANAPHON®



MADE IN GERMANY

Sturdy and light aluminium casing, corrosion protected

32686

CE 0124

Riester



Spoon-shaped handle made of stainless-steel

- **32686 SANAPHON® SPHYGMO with integrated stethoscope**  
A classic palm-style sphygmomanometer for precise self-measurement including stethoscope. Sanaphon® guarantees exact measurement values even for patients with heart rhythm disturbances. Maximum error tolerance  $\pm 3$  mmHg. Supplied in zipper bag.

## RIESTER E-MEGA®



Riester

High-polished manometer surface, easy to disinfect

Large dial Ø 63 mm

Supplied in zipper bag.

CE 0124

Shock protecting polycarbonate case



MADE IN GERMANY

- **32687 E-MEGA® SPHYGMO - white - adult**
- **32751 E-MEGA® SPHYGMO - black - adult**
- **32752 E-MEGA® SPHYGMO - black - paediatric**  
Disinfectable, washable and latex free one-piece cuff.  
- fast inflation of the cuff due to ergonomic spoon design  
- lifelong precision due to almost non-aging precision movement, with specially tempered copper-beryllium diaphragm for pressure-loading capacity up to 600 mmHg  
- maximum error tolerance  $\pm 3$  mmHg  
- comfort - air release valve, wearfree, with fine adjustment

## RIESTER EXACTA®

### • 32750 EXACTA® SPHYGMO

- High quality precision sphygmomanometer twin-tube model with black lacquered metal casing
- life-long precision thanks to practically non-aging and pressure resistant measuring system up to 600 mm Hg
  - stainless metal clamp for hooking the pressure gage to the cuff
  - precision air release valve with fine adjustment and wear-free
  - microfilter protects air release valve and measuring system
  - linear scale Ø 49 mm from 0 to 300 mmHg
  - latex bulb for pumping up the cuff
  - maximum error tolerance  $\pm 3$  mmHg
- Supplied in vinyl zipper case



32750

CE 0124

Riester

MADE IN GERMANY

Riester

MADE IN GERMANY

## RIESTER SPHYGMOTENSIOPHONE®

### • 32760 SPHYGMOTENSIOPHONE - 1380

- Extreme precise two-tube sphygmomanometer with refined functionality. High quality cotton adult cuff finished in artificial leather is provided with a metal clip through which to pull the cuff. Supplied in zippered nylon bag.
- precision air release valve with fine adjustment and wear-free
  - microfilter protects air release valve and measuring system
  - tempered copper-beryllium diaphragm almost non-aging
  - diaphragm pressure-loading capacity up to 600g mmHg
  - maximum error tolerance of  $\pm 3$  mmHg
  - easy to read scale Ø 49 mm from 0 to 300 mmHg



CE 0124

32760

## BABYPHON® RIESTER PEDIATRIC SPHYGMO

- **32710 BABYPHON® PEDIATRIC SPHYGMO with 3 cuffs - metal - 1440**
- **32708 BABYPHON® PEDIATRIC SPHYGMO with 3 cuffs - plastic/metal - 1441**

- Palm pediatric sphygmomanometer with 3 cuffs
- fast inflation of the cuff due to ergonomic spoon-shaped stainless steel handle
  - easy reading metal manometer with aluminium scale Ø 49 mm (32710), Ø 63 mm (32708).
  - lifelong precision due to almost non-aging precision movement with specially tempered copper-beryllium diaphragm for pressure-loading capacity up to 600 mmHg
  - linear scale up to 300 mmHg,  $\pm 3$  mmHg
  - bear imprint on the cuffs
- Supplied with 3 pediatric cuffs in a padded nylon zipper case:  
Newborn: size 15.5x5 cm - circumference 5-8 cm  
Infant: size 23x7.5 cm - circumference 8-13 cm  
Baby: size 35.5x10 cm - circumference 13-17 cm

Riester  
MADE IN GERMANY

CE 0124



32710



## RIESTER PRECISA® N ANEROID SPHYGMOMANOMETERS



- 32754 PRECISA® N with stethoscope - plastic/metal - 1 tube
  - 32755 PRECISA® N - plastic/metal - 1 tube
  - 32717 PRECISA® N - aluminium - 1 tube
  - 32756 PRECISA® N - aluminium - 2 tubes
- High quality, reliable sphygmomanometers with precision that lasts a lifetime.
- microfilter protects air release valve and measuring system
  - specially tempered copper-beryllium diaphragm, with precision movement

and almost non-aging

- diaphragm pressure-loading capacity up to 600 mm Hg
- metal valve base
- ergonomic spoon-shaped grip made of stainless steel
- linear, tilted aluminum (32717, 32756) or plastic/metal (32754-5) scale, from 0 to 300 mm Hg (easily legible)

Supplied with calibrated nylon cuff with velcro in synthetic leather bag.

- 32757 PRECISA® N SHOCK PROOF SPHYGMO
- Shock-resistant aneroid sphygmomanometer with same features as Precisa® N.
- Shock-resistant from a height of 1 m, according to DIN EN 81060-1:2012-08, to prevent impact or falls on the floor from compromising measurement accuracy.

## RIESTER RI-SAN®, MINIMUS® II AND R1 SHOCK PROOF® ANEROID SPHYGMO



- 32715 RI-SAN® SPHYGMO - light blue - latex free
  - 32718 RI-SAN® SPHYGMO - green
  - 32721 RI-SAN® SPHYGMO - slate grey
- High quality palm-style sphygmomanometer with ergonomic design.
- Air release valve conveniently regulated by finger-tip control.
- calibrated nylon cuff with velcro
  - latex-free bulb for pumping up the cuff
  - tube connection at the top of pressure gauge for unhindered blood pressure measurement
  - microfilter protects air release valve and measuring system
  - specially tempered copper-beryllium diaphragm almost non-aging
  - the precision movement guarantees reliable measurement
  - diaphragm can be pressurized up to 600 mmHg without decalibrating the sphygmo.
  - 32730 GREY BULB FOR RI-SAN - spare

• 32711 MINIMUS® II SPHYGMO

Minimus® II is a reliable, durable and elegant palm model aneroid chrome-plated manometer with integral latex-free bulb and air release valve for one hand use, provided with a stainless steel handle, Luer Lock connection, calibrated black nylon velcro closure cuff and 1 tube bladder.

Precision air release valve with fine adjustment and wear-free.

Supplied in a nice synthetic leather bag.

- 32716 R1 SHOCK PROOF SPHYGMO with velcro cuff - 1250-107
  - 32732 R1 SHOCK PROOF SPHYGMO with one piece cuff - 1250-150
- Exact precision that lasts a lifetime.
- shock-proof up to a falling height of 120 cm
  - valve base and air duct with metal precision valve
  - two-component ABS casing
  - metal threaded tube connection at the top of the casing for fast cuff exchange and ergonomic operation
  - maximum error tolerance of  $\pm 3$  mmHg
  - supplied in zipper bag

## KOBOLD SPHYGMOMANOMETER BY ERKA

- 32691 BLACK KOBOLD with grey cuff - 223.20493
  - 32695 GREY KOBOLD SET with 3 ped. "Superb" cuffs - 227.71.393
  - 32696 GREY KOBOLD SET with 6 "Superb" cuffs - 227.71.195
- Elegant and compact, single tube sphygmomanometer for frequent use in clinic and consulting room. Precision manometer, anodised aluminium Ø 48 mm. Sensitive adjustable air reduction valve, high quality chrome finish. Scale: 300 mmHg, 2 mm scale division. New technology with air intake via the manometer capsule in the specially tempered copper-beryllium membrane. Codes 32693, 32695, 32696 are latex free.

### ERKA "SUPERB" GREEN CUFFS

All ERKA Green cuff products are PVC, demp and latex-free, each is individually tested prior to delivery and guaranteed for 50,000 inflation cycles. They are equipped with clearly marked size and positioning features for the most accurate possible measurements. The soft, easy to disinfect, biocompatible materials ensure maximum patient comfort. Conform to ANSI/AAMI SP10 standard

- 32891 PEDIATRIC "SUPERB" CUFF 1 TUBE 20.5 - 28 cm - grey
- 32892 ADULT "SUPERB" CUFF 1 TUBE 27-35 cm - grey - spare



**ERKA.**

MADE IN GERMANY



## PERFECT ANEROID



- 32688 ERKA PERFECT - 201.204.82 dial Ø 48 mm - 2 tubes green
- Sphygmomanometer with screw valve for sensitive adjustments, velcro cuff and case. - manometer housing brass chromed plated
- membrane-protection 2-tube technology
  - measuring range 0-300 mmHg  $\pm 1\%$
  - 3 year warranty.
  - 32877 PEDIATRIC "SUPERB" CUFF TWIN TUBE 20.5 - 28 cm - grey
  - 32878 ADULT "SUPERB" CUFF TWIN TUBE 27-35 cm - grey - spare

## ERKA SWITCH



- 32698 ERKA SWITCH 2.0 COMFORT - dial Ø 56 mm - 1 tube grey - 293.204.93
- It offers outstanding ergonomics and simple adaptation for left and right-handle users. It is manufactured from shock-resistant polycarbonate and has passed the shock test according to AAMI SP9. The sight glass is chemically stable and unbreakable. The brass valve screw works smoothly and is adjustable to exact settings. MR compatibility. Measuring range 0-300 mmHg  $\pm 1\%$ . Supplied with pouch. 4 year warranty hand held, 2 year manometer.
- 32891 PEDIATRIC "SUPERB" CUFF 1 TUBE 20.5 - 28 cm - grey
  - 32892 ADULT "SUPERB" CUFF 1 TUBE 27-35 cm - grey - spare

## ERKA SWITCH SIMPLEX



- 32697 ERKA SWITCH SIMPLEX - dial Ø 56 mm - twin tubes grey - 294.408.94
- It is manufactured from shock-resistant polycarbonate and has passed the shock test according to AAMI SP9. The sight glass is chemically stable and unbreakable. The brass valve screw works smoothly and is adjustable to exact settings. Measuring range 0-300 mmHg  $\pm 1\%$ . Black velcro cuff. Supplied with pouch. Magnetic Resonance (MR) compatibility. 2 year warranty.



## BOSTON SPHYGMO



### • 32731 BOSTON SPHYGMO - adult - black cuff

Strong durable and elegant palm model aneroid metal zinc-alloy manometer with integral PVC bulb and air release valve for one hand use, provided with a special left and right hand adjustable handle, nylon velcro closure calibrated cuff and 1 tube TPU bladder. Easy to read: large dial Ø 60 mm. Unique push button air release valve offers precise mini-deflation.

Special PVC patented ribbed bulb. Latex free. Supplied with a nice nylon carrying bag. Multilingual box and manual: GB, FR, IT, ES, PT, DE, GR, Arabic.

### • 32856 PVC RIBBED BULB



## G5® AND G7® HEINE SPHYGMO



10 YEARS WARRANTY

MADE IN GERMANY

5 YEARS WARRANTY

The inflator spoon can be set for left and right-handed users.

- 32737 GAMMA "G5®" HEINE SPHYGMO - plastic manometer - M-000.09.230
- 32741 GAMMA "G5®" HEINE SPHYGMO - plastic manometer
- Same as 32737, but supplied without carrying bag.
- 32739 GAMMA "G7®" HEINE SPHYGMO - aluminium manometer - M-000.09.232

With the new latex free G5® and G7® Heine, GIMA offers an aneroid sphygmomanometer of the highest quality of design and function with unequalled value for money. A modern, functional design combined with exceptional precision of measurement and durability make Heine G5® and G7® ideal for long-term use in clinic and practice environments.

- latex-free
- exceptionally-strong housing construction with triple-mounted, **shockproof** movement.
- **impact-resistant housing** crafted in special, shock-absorbing materials incorporate the latest advances in injection-moulding technology.
- a **microfilter** protects the valve and movement.
- **oversized inflator** speeds up cuff inflation.

5 years warranty (G5), 10 years warranty (G7).



G5® and G7® (excluding 32741) are supplied with high quality HEINE carrying bag.

## WELCH ALLYN® DURA SHOCK™ DS55 SPHYGMOMANOMETER

10 years calibration warranty



### • 32700 DURA SHOCK DS55 SILVER LINE - DS-5501-189

Welch Allyn's DS55 sphygmomanometer incorporating shock-resistant DuraShock technology offers practical benefits compared to traditional aneroid sphygmomanometers. This is especially beneficial in busy medical environments where equipment needs to be as robust as possible.

With DuraShock Technology, Welch Allyn B.P. gauges:

- remain in calibration longer than traditional aneroid B.P. gauges, providing you with more accurate readings.
- do not need to be replaced as often as traditional aneroid B.P. gauges, giving you a lower lifetime cost.
- have the only gauge capable of passing AAMI's shock-resistant specification of surviving a 76 cm drop onto a hard surface and remaining in calibration.



### How DuraShock technology works

In traditional aneroid sphygmomanometer design, several delicate gears and springs convert and amplify vertical movement of the pinion to rotational movement to turn the pointer.

The DuraShock gear-free design uses a single helix spring to directly convert the vertical movement of the pinion to rotation of the pointer without the use of a multi-step gear arrangement.

By creating a gear-free design, the Welch Allyn Durashock has fewer moving parts providing a gauge which is shock resistant and lighter than traditional gauges. Until now, a dropped sphygmomanometer required recalibration or replacement.

The DuraShock can fall 76 cm onto a hard surface and still remain accurate. It is the only gauge capable of meeting the AAMI Shock Resistant specification.