

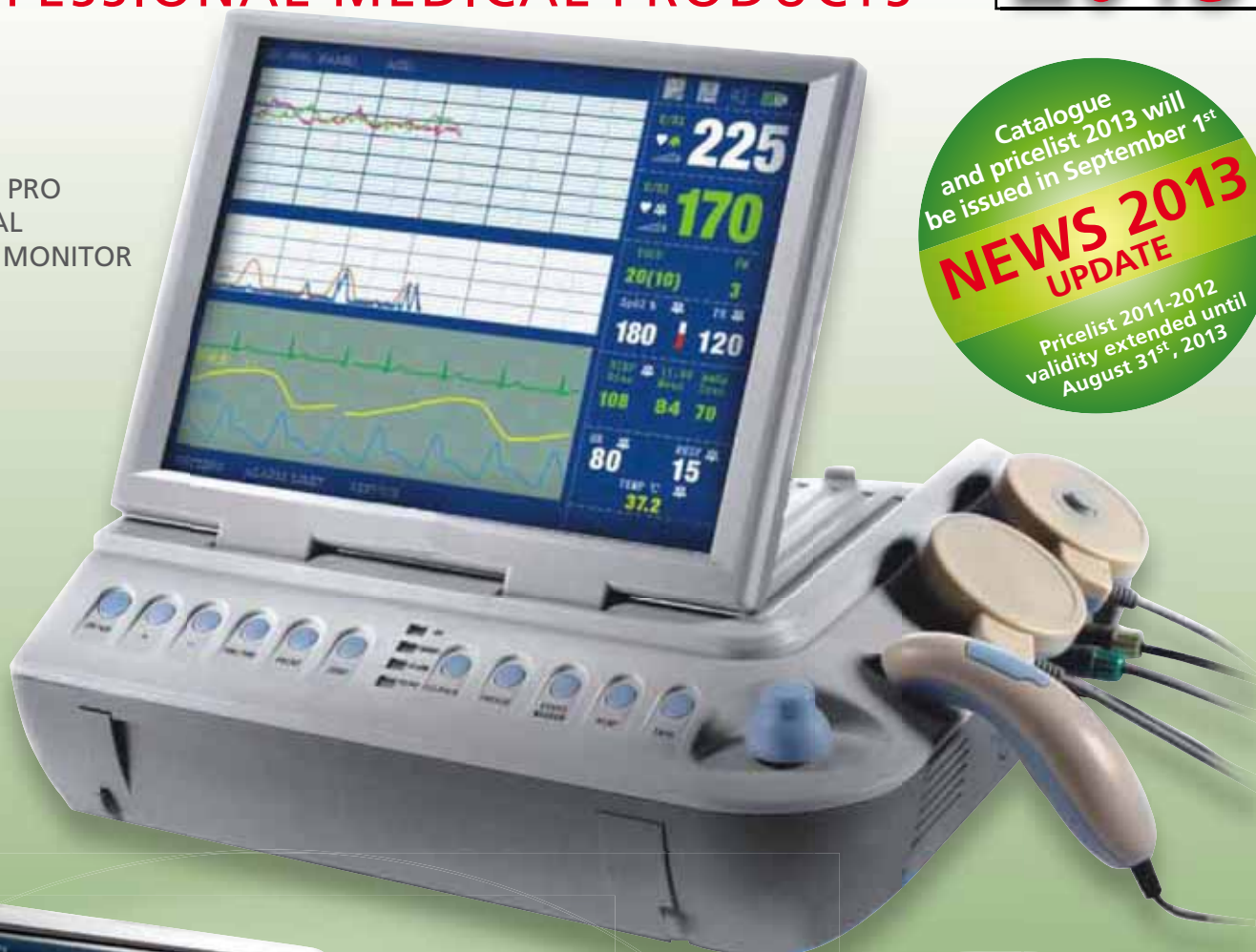


# GIMA

## NEW PRODUCTS PREVIEW PROFESSIONAL MEDICAL PRODUCTS

# NEWS 2013

PC-8000 PRO  
HOSPITAL  
FOETAL MONITOR



Catalogue  
and pricelist 2013 will  
be issued in September 1<sup>st</sup>

**NEWS 2013  
UPDATE**

Pricelist 2011-2012  
validity extended until  
August 31<sup>st</sup>, 2013



MINDRAY DP50  
DIGITAL ULTRASOUND  
SYSTEM



OXY-10  
FINGER OXYMETER  
WIRELESS

GIMA S.p.A. - Via Marconi, 1 - 20060 Gessate (MI) - Italy  
Tel. ++39 02 953854209/221/225 - Fax: ++39 02 95380056  
E-Mail: [export@gimaitaly.com](mailto:export@gimaitaly.com) [www.gimaitaly.com](http://www.gimaitaly.com)

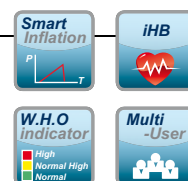
# iHEALTH WIRELESS PERSONAL HEALTHCARE PRODUCTS

## iHEALTH MYVITALS APP - free

To manage wireless:

- 1 iHEALTH B.P. MONITOR - ARM
- 2 iHEALTH B.P. MONITOR - WRIST
- 3 iHEALTH GLUCOSE MONITOR
- 4 iHEALTH SCALE
- 5 iHEALTH BODY ANALYSIS SCALE (9 parameters)

iHEALTH products to manage your personal health  
iHealth designs innovative, mobile personal healthcare products for everyone. iHealth wireless products with **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.  
This unique application **tracks the relation between various parameters** such as blood pressure, weight, calorie intake and activities. Compatible with all Apple and Android platforms. Includes a free iHealth Cloud service.  
Package and manual in 5 languages (GB, FR, IT, ES, DE). All products have 2 years warranty



### TECHNICAL SPECIFICATIONS

	BP5	BP7
Classification internally	Type B applied part, IPX0 no AP or APG	Type BF
Wireless communication:	Bluetooth V3.0+EDR	Bluetooth V3.0+EDR class 2 SPP
Size:	145x58x30 mm	72x74x17.6 mm
Cuff circumference:	22-42 cm	13.5x22
Weight:	approx 135g (excluding cuff)	105 g
Measuring method:	oscillometric, automatic inflation and measurement	
Power:	DC: 5 V - 1.0A, Battery: 1x3.7 V - Li-ion 400 mAh	
Cuff pressure range:	0-295 mm Hg $\pm 3$ mm Hg	0-300 mm Hg $\pm 3$ mm Hg
Pulse rate range:	40-180 beats/min, accuracy: $\pm 5\%$	

- **23500 BP5 WIRELESS ARM BLOOD PRESSURE MONITOR**
- **23501 BP7 WIRELESS WRIST BLOOD PRESSURE MONITOR**
- measure blood pressure and heart rate directly from tablets or mobile devices
- record systolic/diastolic number, heart rate and pulse wave
- multiple users and unlimited memories
- view historical readings and WHO classifications (only BP5)
- generate custom graph by date or BP numbers

- 3
- **23510 BG5 WIRELESS GLUCOSE MONITOR**



See at page 3



- **23505 HS3 WIRELESS SCALE**
- A high quality design digital scale, with slim lightweight design and reliable tempered glass platform, the iHealth HS3 works online and offline. Thanks to the iHealth MyVitals App it is possible to view single readings or long term trends. Track calories and daily activities, set target goals for weight management, organize records with personalized graphs and unlimited memories.

### TECHNICAL SPECIFICATIONS

Max weight capacity: 150 kg (330 lbs)  
Measurement units: kg/lb/st  
4 AAA batteries included

- 5
- TECHNICAL SPECIFICATIONS**
- Classification: Internally powered, Type BF applied part
- Wireless Communication: Bluetooth V3.0+EDR Class 2 SPP
- Size: 380x310x35 mm (14.96" x 12.20" x 1.38")
- Weight: 1.5 kg (3.3 lbs) (excluding battery)
- Measuring method: Automatic full electronic measurement
- Power: 4 x 1.5 V AA batteries
- Body weight range: 5-150 kg (11-130 lbs)
- Body fat measurement range: 5%-65%
- Body water measurement range: 20%-85%
- Visceral fat rating range: 1-59
- Body weight:  $\pm 0.5$  kg (5 ~ 40 kg);  $\pm 1\% + 0.1$  kg (40 ~ 150 kg)
- Body fat:  $\pm 1\%$
- Body water:  $\pm 1\%$
- Body muscle mass:  $\pm 1\% + 0.1$  kg ( $\pm 1\% + 0.2$  lbs)
- Bones mass:  $\pm 0.3$  kg (0.66 lbs)
- Visceral fat rating:  $\pm 2$
- DCI (Daily Calorie Intake):  $\pm 200$  kcal



9 PARAMETERS





# iHEALTH APP FOR PROFESSIONAL HEALTH MANAGEMENT

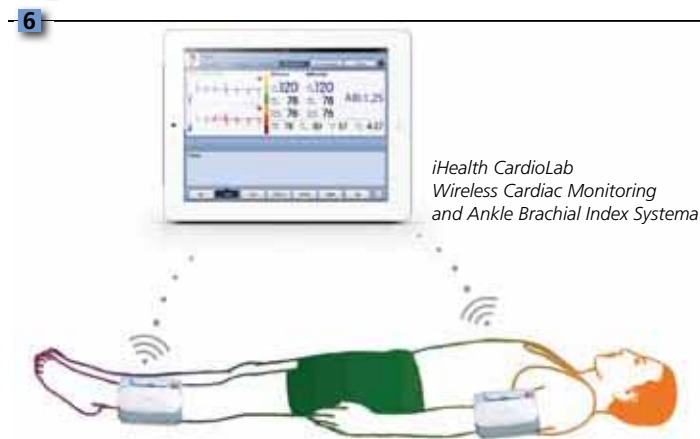
## iHEALTH PROFESSIONAL APP - free

To manage wireless:

- 6 iHEALTH CARDIOLAB
- 1 iHEALTH B.P. MONITOR - ARM
- 3 iHEALTH GLUCOSE MONITOR
- 7 iHEALTH PULSE OXIMETER
- 5 iHEALTH BODY ANALYSIS SCALE (9 parameters)

iPad application specially developed for professionals. It allows to manage in unique APP all the clinical parameters from professional i-Health devices.

Free iHealth app and cloud service includes personalized health tools. Package and manual in 5 languages (GB, FR, IT, ES, DE). All products have 2 years warranty.



### • 23520 WIRELESS CARDIO LAB

iHealth CardioLab is a wireless cardiovascular monitoring system that measures or calculates blood pressure and several cardiovascular vectors such as Ankle Brachial Index (ABI),

Pulse Pressure (PP), Mean Arterial Pressure (MAP), Cardiac Output (CO) and Stroke Volume (SV). It gives a clear and comprehensive picture of a patient's cardiovascular health. iHealth CardioLab technology makes it possible to take a clinically accurate and reliable measurement of all these parameters in less than 3 minutes. The monitoring system includes wireless sensing devices that can be used in various combinations to take measurements of blood pressure or other parameters such as ABI.

iHealth CardioLab is driven by an Apple iPad and calculates ABI in real time by displaying pulse waves on the iPad screen. It can also be used in monitoring mode over 24 hours for static patients. It can be programmed to take multiple measurements at chosen intervals, measurements are then averaged using an algorithm that eliminates certain irregular readings due to artefacts or to "white-coat" hypertension.

Track the vital signs of your patients in less than 3 minutes:

- Blood pressure
- Pulse Pressure
- Stroke Volume
- Ankle Brachial Index
- Mean Arterial Pressure
- Cardiac Output

### 5 1

- 23507 WIRELESS BODY ANALYSIS SCALE - see page 2
- 23500 WIRELESS ARM B.P. MONITOR - see page 2



### 7



### • 23525 WIRELESS PULSE OXIMETER

The Pulse Oximeter is a reliable way to spot-check blood oxygen saturation (SpO<sub>2</sub>) and pulse rate (bpm). This lightweight and portable device takes fast, non invasive measurements at the fingertip.

- measures your blood oxygen saturation and pulse rate from your mobile device
- records SpO<sub>2</sub> and pulse rate
- easy-to-read LED screen displays SpO<sub>2</sub>, pulse rate and pulse
- connects wirelessly via Bluetooth
- free iHealth app and cloud service include personalized health tools

#### TECHNICAL SPECIFICATIONS

Classification:	Internally powered, type BF
Display System:	LED
Power:	Battery, 3.7 V Li-ion, 300 mAh
SpO <sub>2</sub> Measuring Range:	70-99%, ±2%
Pulse Rate Measuring Range:	30-250bpm, ±2 bpm or ±2% larger one
Size:	62x33x28 mm

### 3

### • 23510 BG5 WIRELESS GLUCOSE MONITOR KIT

Pocket sized, ergonomic wireless glucose monitor with advanced technology and high reliability. The Wireless Smart Gluco-Monitoring System is a convenient way to measure and record your blood glucose levels from your mobile device.

- view results instantly on the wireless meter
- save up to 500 test results on the wireless meter
- set up reminders and view glucose and insulin trends in multiple ways
- track test strip quantity and expiration dates automatically, no counting or coding required
- works on-line and off-line, with data automatically uploading at each connection.

Kit includes test strips, lancets, lancing device, control solution and travel case.

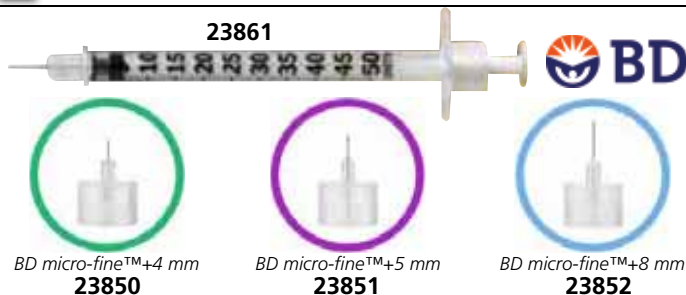
#### TECHNICAL SPECIFICATIONS

Machine size: 9x34.5x19 mm (3.8"x 1.35"x 0.75")  
 Measuring method: Amperometric technology using glucose oxidase  
 Result range: 20 mg/dL~600 mg/dL (1.1 mmol/L~33.3 mmol/L)  
 Power source: DC 3.6 V  
 Blood source: Fresh capillary whole blood  
 Blood volume: Min. 0.7 micro liter



GIMA code	GLUCOSE MONITOR ACCESSORIES
23511	Glucose strips - box of 25
23512	Glucose strips - box of 50
23916	Lancets 28G - box of 100
23915	Auto lancets device "OnCall"

## BD MICRO-FINE™ INSULINE NEEDLES AND SYRINGES



GIMA code	BD code	BD MICRO-FINE™ NEEDLES	Minimum order
23850		BD Micro-Fine needles 4 mm - 32G	box of 100
23851	320594	BD Micro-Fine needles 5 mm - 31G	box of 100
23852	320592	BD Micro-Fine needles 8 mm - 31G	box of 100
<i>Compatible with most of insuline pens available in the market (Sanofi-Aventis, Eli Lilly, Novo Nordisk, Owen Mumford)</i>			
BD MICRO-FINE™ SYRINGES			
23860	324826	BD Micro-Fine syringes 0.3 ml - 8 mm - 30G	box of 100
23861	324825	BD Micro-Fine syringes 0.5 ml - 8 mm - 30G	box of 100

## TAPE TOURNIQUETS

### • 25740 TAPE TOURNIQUET

- latex free - disposable

Latex free disposable tape tourniquet made in TPE. Each box contains 25 pre-cut tourniquets 42x2.5 cm (18"x1") with 0.5 mm thickness



## WASTE CONTAINER- 30-50-60 l



### WASTE CONTAINERS - 3 sizes

- extremely solid and shock resistant at high and low temperature
- hermetic seal by peripheral adesive on the lid (single or double)
- lateral handles
- excellent stacking possibilities



GIMA code	WASTE CONTAINERS - box of 20			
	Tide	Lid	Max load kg	Size
25774	Container 30 l	single	15	40x30x39 cm h
25775	Container 30 l	double	15	40x30x39 cm h
25776	Container 50 l	single	20	40x30x56 cm h
25777	Container 50 l	double	20	40x30x56 cm h
25778	Container 60 l	single	25	40x30x65 cm h
25779	Container 60 l	double	25	40x30x65 cm h

## GIMA SHARPS CONTAINERS



Double opening system

Temporary closure

Definitive closure

Wide opening

Indents for needles removal

Temporary closure: 1 click  
Definitive closure: 2 clicks

Indents for needles removal with safety fins

Temporary closure

Definitive closure



- Pocket size
- Ergonomic shape
- Easy to use with just one hand
- Double opening system: needles and insulin pen removal, entire syringe disposal
- Maximum filling level indicator
- No emission of any harmful gas during the incineration process
- Temporary and permanent closure
- Possible side fastening

- Simple and practical snap-type closure
- Easy manoeuvre for temporary opening with just one hand
- Wide opening for the disposal of voluminous material
- Mechanism for the unhooking of insulin needles
- Maximum filling level indicator
- No emission of any harmful gas during the incineration process

- Ergonomic handle for the more spacious models
- Anti-defluxion wings that prevent the outflow of the waste
- Mechanism for unhooking insulin needles
- Maximum filling level indicator
- No emission of any harmful gas during the incineration process

GIMA code	POCKET SHARPS CONTAINER	Minimum order	GIMA code	PBS SHARPS CONTAINERS	Minimum order
25780	Pocket 0.4 l - 12.3x6.2x16.5h cm	box of 70	25790	PBS 0.6 l - Ø 10x14.5h cm	box of 100
	<b>CS LINE SHARPS CONTAINERS</b>		25791	PBS 1.5 l - Ø 14x16.5h cm	box of 100
25783	CS 3 l - 16.7x16.7x22.5h cm	box of 50	25792	PBS 2 l - Ø 14x21h cm	box of 75
25784	CS 4 l - 16.7x16.7x28.5h cm	box of 40	25793	PBS 5 l - Ø 21.3x19.5h cm	box of 55
			25794	PBS 7 l - Ø 24.8x19.5h cm	box of 40
			25795	PBS 12 l - Ø 28.8x31h cm	box of 25
<b>CERTIFICATIONS</b>					



## LACTATE SCOUT+

### • 23990 LACTATE SCOUT+

Pocket device for fast, accurate and reliable lactate measurement.

#### Easy to use:

- only 0.5 µl of capillary blood required
- pre-calibrated sensors
- device calibrated by simple coding
- lactate measurement, date/time, mode, temperature and memory ID on a single display

#### Fast and accurate:

- enzymatic amperometric detection method
- results within 10 seconds
- measuring range: 0.5 - 25 mmol/L (±3%)

#### Performance measurement:

- single and step-test measurements (resting/exercise/recreation)
- stopwatch and countdown timer functions

#### Integrated bluetooth technology and PC software:

An USB key allows easy transfer to PC where a 4 language (GB, DE, IT, ES) software allows easy data management. Supplied with nylon bag, lancet device, 10 lancets, 6 strips, control solution, 2x1.5 AA batteries, USB key, English manual, CD manual (GB, FR, IT, DE, ES, DK, FI, NO, RU, SE, TR, CN).

#### • 23991 STRIPS - tube of 24 pcs

#### • 23916 LANCETS - 28G - sterile - box of 100

Stores up + 250 results

Measuring range:  
0.5 - 2.5 mmol/L ±3%



CE 0123

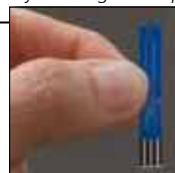
Pocket size:  
91x55x24 mm  
Weight: 80 g

23990



Integrated  
bluetooth  
connectivity

Easy handling in 3 steps



Remove sensor and place into analyzer



Prick finger and collect blood by touching sensor



Results appear in 10 seconds

## HEMO CONTROL: HEMOGLOBIN AND HEMATOCRIT MEASURER

### • 23994 HEMO CONTROL

Fast, simple and accurate determination of hemoglobin and hematocrit in whole blood:

- two tests in one
  - fast results in 25 to 60 sec
  - limited sample volume 8 µl
  - graphical touch screen
  - no calibration required
  - memory: 100 results including date and time
  - Hb con-low, Hb con-norm, Hb con-high
  - integrated rechargeable battery (100 hours)
  - multilanguage software (GB, FR, IT, DE, ES, PT, PL)
- Supplied with transformer (to recharge battery), English manual, CD manual (GB, FR, IT, DE, ES, PT, PL, RU)

#### • 23995 HEMOGLOBINE MICROCUVETTES - box of 50

Compact size only  
160x160x68 mm  
Weight 700 g



23994

Large illuminated LC-  
touch screen for intuitive  
device handling

Easy handling in 3 steps



Collect 8 µl blood sample



Put microcuvette into analyzer



Read results on display in 25-60 sec

TECHNICAL SPECIFICATIONS	
Measurement method:	photometric, azidemethemoglobin
Measuring range:	0-25.6 g/dL; 0-15.9 mmol/L
Sample volume:	8 µl
Sample material:	venous, arterial or capillary human blood
Precision:	<2%
Linearity:	0-20 g/dl ±0.3 g/dl >20 g/dl ±0.7 g/dl
Calibrated to NCCLS standard	
Operating power:	110-250 V - 50/60 Hz; integrated battery (approx 100 h use)

## COAG-S WHOLE BLOOD INR POC INSTRUMENT

### • 24011 COAG-S - INR measurement

Whole blood point-of-care coagulation system dedicated for PT-INR monitoring (professional use):

- classical photo-optical principle (turbidimetry)
  - liquid phase coagulation reaction
  - high sensitive recombinant thromboplastin
  - outstanding correlation with INR results validated against classical PT
  - small, compact, portable design
  - precise sampling system
  - direct measurement from capillary blood, citrated plasma and citrated whole blood (venipuncture)
  - modern hardware (touchscreen, USB, RFID)
  - self monitoring capability with clear software guidance
- Made in Hungary

#### • 24012 TEST TUBE WITH REAGENT - box of 25 pcs.

#### • 24013 ACCESSORY KIT

Includes one pipette 200 µL, one pipette 20 µL, one pipette holder, 110 pipette tips and 96 pipette tips with holder.



24011

TECHNICAL SPECIFICATIONS	
Method of detection:	photometric
Specimen volume needed:	20 µl
Time to perform PT:	< 5 min
Screen:	liquid crystal colour touchscreen
Stored data capacity:	1,000
Interface:	USB
Power supply:	100-250 V - 50/60 Hz; integrated rechargeable battery

## ■ KEVORKIAN - S/S



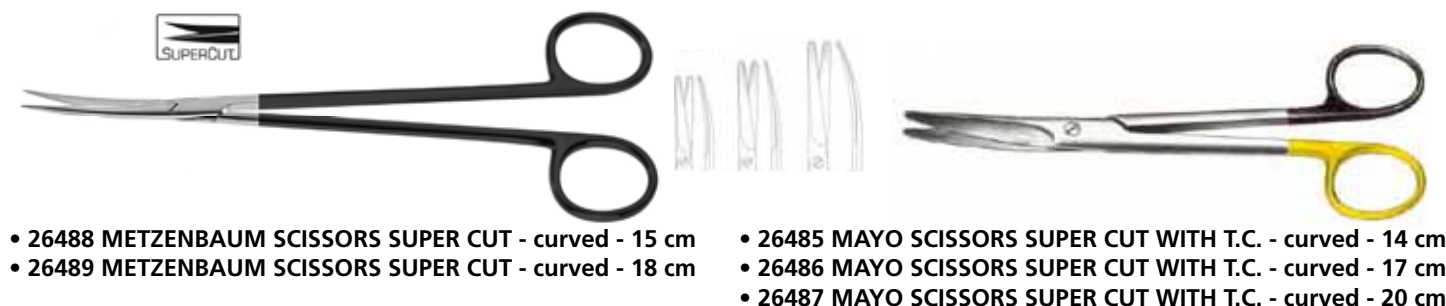
## ■ MINI-TISCHLER - S/S



## ■ TISCHLER - S/S



## ■ SUPER CUT SCISSORS



## ■ DISPOSABLE SKIN STAPLER DEVICE



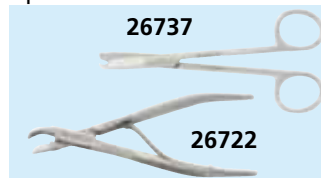
• **25890 DISPOSABLE STERILE SKIN STAPLER**  
Simple and easy to operate. Staples are made of High Quality 317 L Stainless Steel for medical use, each device is provided of 35 staplers. High sewing up and stapling speed help shorten the time of sewing and avoid cross infection of contagious diseases. Reduced tissue reaction, thinner scar after operation and faster wound healing. Painless and convenient staples removal after the incision has healed up.  
To be used for skin closure in operating room, labour and delivery, emergency department, outpatient surgery, clinics and physician's office.

## ■ SKIN STAPLE REMOVER



• **25892 DISPOSABLE REMOVER FORCEPS - box of 20 pcs.**  
Practical disposable forceps for removing regular and wider size staples.  
• **25895 SR-3 DISPOSABLE FORCEPS - box of 10 pcs.**  
3M original forceps for removing staples.

**S/S STITCH/SUTURES REMOVER:**  
• **26737 SPENCER SCISSOR - 13 cm**  
• **26722 MICHEL STITCH REMOVER FORCEPS - 13 cm**



## ■ PROFESSIONAL INFRARED EAR THERMOMETER - HOSPITAL USE

- **25575 PROFESSIONAL INFRARED EAR THERMOMETER**
- **25576 PROBE COVERS - box of 200 pcs. (5 tubes of 40 pcs.)**
- **25577 PROBE COVERS LOADER**
- special design for hospital use
- durable probe for cover replacement up to 100,000 times
- probe cover ejector and probe cover detector

### TECHNICAL SPECIFICATIONS

Measurement range:	34~42.2 °C (93.2-108 °F)
Operating range:	10-40 °C (50~104 °F)
Accuracy:	±0.2 °C (0.4 °F) during 35.5~42 °C (95.9~107.6 °F), ±0.3 °C (0.5 °F) for other range
Memory:	25 sets
Buzzer:	Yes
Battery:	CR2032 1
Dimension:	144.82x39.84x48.50 mm
Weight (with battery):	68.8 g

- phone jack for computer connection for data download or calibration
- one-second response time: fast and easy
- neck strap and probe protector
- fever alarm
- selectable °C/°F





## ■ GIMA PODOSCOPE

**27354**  
Methacrylate



### • 27354 GIMA PODOSCOPE

The GIMA Podoscope with polarized light allows operators to observe the foot plant highlighting the points with the heaviest pressure. The patient stands on the methacrylate platform, an excellent light conductor, provided with an inner light source: to detect variations of colour intensity on the foot plant, corresponding to higher or lower plant charge.

#### Highly resistant, easy maintenance

The GIMA Podoscope with polarized light has been designed for a long lasting duration. High-quality material and components, serial assembly and control checks constantly performed during production and at final test, provide superior accuracy. Its structure is resilient and can bear charges up to 135 kgs - 297 lbs. Its green-light lamp has a life of 10,000 hours (duration indicated by the manufacturer). Spare bulbs are easy to be replaced.

#### Easy to use, light and practical

The GIMA podoscope becomes operative at once simply switching it on. Just after the patient has stepped on it, in real time you can proceed with the study. The device is meant to be practical and easy to use. Since methacrylate is light and resistant at the same time, the device can be comfortably moved from a place to another, also thanks to its limited dimensions. The step is low: 22 cm from ground level, so that even elderly patients can easily step on it.

#### TECHNICAL SPECIFICATIONS

Capacity: 135 kg - 297 lbs  
Dimensions: 43,5x42,5x22 cm - 17.12x16.75x8.67 inch  
Weight: 8 kg - 17.63 lbs  
Operating voltage: 220V-50/60Hz (110V on request)  
Fluorescent lamp with 10,000 hours lifetime

## ■ SECA SCALE

### • 27241 SECA 750 SCALE

Mechanical flat scale with sturdy, power coated steel casing. Pretty and stable with its white powercoated lacquer. A hard wearing synthetic white leather covers weighing platform.

**seca**



#### TECHNICAL SPECIFICATIONS

Capacity: 150 kg - 320 lbs  
Sensitivity: 1 kg  
Weight: 3.5 kg Size: 317x117x477 mm

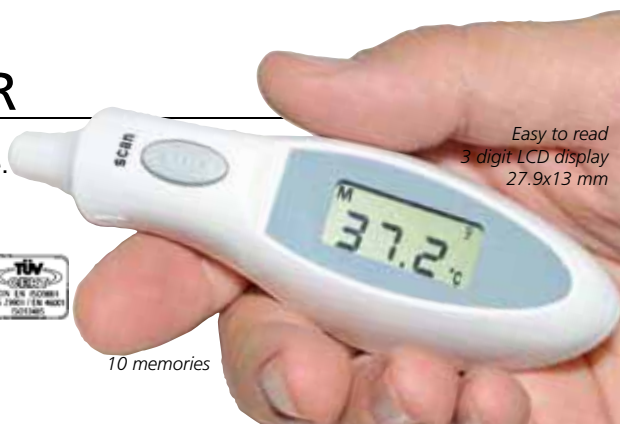
## ■ HOME CARE EAR THERMOMETER

### • 25579 POCKET EAR THERMOMETER

Small, easy to clean, cover free design ear thermometer. For home care use.

#### TECHNICAL SPECIFICATIONS

Measurement Range: 34 °C - 44 °C (93.2 °F - 111.2 °F)  
Accuracy: ±0.2 °C (±0.4 °F)  
Response time: 1-2 seconds  
Battery: Lithium 3V (CR2032) - life approx 4,000 measurements  
Size: 114x35x40 mm  
Weight: 35 g (including batteries)



10 memories

## ■ FOLDABLE BABY SCALE

Folded  
scale



**SOEHNLE**  
PROFESSIONAL



**27266**

### • 27266 SOEHNLE 8320 FOLDABLE BABY SCALE

Foldable baby scale for easy transport. Folding mechanism with magnetic lock. Easy to open: remove the base and pull the handles apart. Taring function: pads, blankets, placed under the baby are tarable. Steady weight display through filtering and hold function. Large LCD display easy to read. Switchable to kg/lb. Manual in: DE, GB, FR, ES, IT, GR, CZ, AE.

### • 27271 CARRYING BAG



**27271**

#### TECHNICAL SPECIFICATIONS

Capacity: 15 kg Sensitivity: 10 g  
Dimensions: 375x315x105 mm (closed) - 740x315x53 mm (open)  
Alkaline battery 2x1.5V AAA - not included  
Weight: 1.9 kg Warranty: 2 years Made in Germany

## ■ SECA INFANTOMETER



The unique V-shape automatically places the baby in the right measuring position

**seca**



The head and foot positioners lock into place to capture results. Indication can be read after measuring

### • 27316 SECA 416 - INFANTOMETER

Infantometer for measuring babies and toddlers in hospital. The sturdy construction and stability of the infantometer makes it quick and easy to measure babies and toddlers up to two years old.

The board is generously designed and the raised and softly rounded sides guide the baby easily and safely into the right position.

Permanently mounted with rollers on two guide rails, the footpiece slides smoothly along the scale. Because the footpiece is lockable, the baby can be removed and the result noted later. All parts are tough and durable.

Measuring range: 33-100 cm. Graduation: 1 mm. Size: 110x16.9x40.2 cm. Weight: 3.8 kg.

## SMART TENS - EMS

### • 28355 SMART TENS

TENS is a therapeutic technique mainly used for analgesic purposes in physiotherapy. Suitable for a wide variety of pain therapies: acute or chronic pain, muscular pain, post-operative pain and also pains caused by pregnancy. It's usually divided according to its action mechanism in tens conventional, tens endorphinic, tens sequential, tens maximum value, tens Burst.

EMS is a stimulating technique activating muscular contractions through electrical impulses.

As in TENS stimulation, impulses are applied to patient through electrodes placed next to the muscles to be treated.

In physiotherapy EMS is used for post-trauma and post-operative muscular rehabilitation and also as a complementary aid in sports activity and aesthetic treatments.

Basic programmes used in TENS treatments together with EMS classic protocols are combined in this product. SMART TENS offers a wide possibility to treat acute and chronic pains (TENS) and muscular strengthening and stimulation (EMS).

Supplied with 2 connection cables for electrodes, 4 pre-gelled electrodes, belt clip, 4xAAA size batteries, user manual (GB, FR, IT, DE, ES) in a carrying bag.

Digital  
keyboard



CE 0476



On line quick  
guide on display

#### TECHNICAL SPECIFICATIONS

- combined electrotherapy unit with 2 independent channels
- compensated biphasic square wave: current quantity from positive pole to negative one is constant to avoid hazardous thermal effect of polarization
- 6 TENS stored programmes
- 5 EMS stored programmes
- 2/120 Hz waveform frequency
- 60 mA maximum intensity
- size: 68x110x31 mm
- 1 TENS free programme
- 1 EMS free programme
- 50/400  $\mu$ s width impulse
- power supply 4 batteries AAA Size
- weight: 85 g (without batteries)

## MIO-VEIN - CALF STIMULATOR

### • 28378 MIO-VEIN CALF STIMULATOR

2 channels FES device (Functional Electrical Stimulation) to stimulate calf muscles and help the correct venous circulation. Its stimulation reactivates calf muscular pump that is mainly responsible of venous return. Calf muscles contraction promotes the compression of superficial and deep veins. As a consequence blood reaches the heart more easily. Mio-Vein can be used not only to help the natural blood flow but also to prevent venous insufficiency and deep vein thrombosis. Moreover it can be used in presence of lower limb edemas, venous ulcers and venous diseases. It is an important support to compressive stocking therapy and finally to venous stasis treatment.

#### Main features:

- two independent channels for the connection of 4 electrodes
- easy to use digital keyboard
- adjustable intensity
- on-line guide on display for fast instructions
- reflective LCD display
- FES specific programme for venous stimulation
- operating with internal rechargeable battery
- 60 mApp maximum intensity
- width impulse 30-240  $\mu$ s

Supplied with 2 connections cables, 4 oval electrodes for calf, belt clip, Ni-Mh rechargeable battery, battery charger, user manual (GB, FR, IT, DE, ES), carrying bag.

### • 28379 OVAL ELECTRODES - set of 2 - 130x76 mm

Dimensions:  
114x68x26 mm

CE 0476



28378



## T-ONE EVO II - 4 CHANNEL ALTERNATE CURRENT ELECTROTHERAPY

### • 28338 T-ONE EVO II ELECTROTHERAPY - 4 channels

101 programmes for over 300 applications (pain, fitness, sport, beauty). T-ONE EVO II can generate alternate impulses on its four channels to produce sequential stimulations or contractions. In this way T-ONE EVO II stimulates kinetic chains for re-educational purpose, and can also be used in fitness training. The high power of T-ONE EVO II can satisfy both the home users and the sportmen.

#### Main features:

- 4 independent channels for the connections of 8 electrodes
- constant current generator (can guarantee a constant current even when skin condition changes, the device automatically stops in the event of accidental electrodes disconnection)
- compensated biphasic square wave: avoids hazardous thermic effect of polarization
- user feedback: T-ONE recognizes patient connection
- soft-touch easy to use keyboard
- on-line guide on display for fast instructions
- internal Ni-Mh rechargeable battery pack (1600 mAh)
- different treatments for man and woman
- maximum intensity 240 mApp, with 0.5 mA step regulation
- 5 languages menu (GB, FR, IT, DE ES) and 3 languages manual (GB, FR, IT) ES manual on request
- compliance with 93/42/EEC MDD (medical device CE0476).

Size: 76x125x34 mm



Back light  
display

#### STANDARD ACCESSORIES

- 4 connection cables (8 electrodes)
- user manual (GB, FR, IT) and electrodes positions manual
- 5 electrodes packages
- internal Ni-Mh rechargeable battery pack and battery charger carrying bag

#### 16 Tens Programmes

- Tens rapid
- Tens endorphinic
- Tens sequential
- Tens maximum value
- Tens Burst
- Cervical pain
- Lumbar pain
- Sciatalgia
- Distorsion Contusion
- Inflammatory
- Vascularization
- Decontraction
- Hematoma
- Regenerating skin
- Atrophy prevention
- Atrophy

#### 9 Beauty Programmes

- Lipolysis\*
- Refirming\*
- Tonification\*
- Definition\*
- Limbs modelling\*
- Microlifting
- Relaxing massage
- General recovery
- Drain-up

#### 11 Sport Programmes

- Warm up\*
- Recovery\*
- Capillarization
- Competitive/Counteractive\*
- Long effort\*
- Basic strength\*
- Speed\*
- Explosiveness\*
- Endurance
- Tonic contractions
- Phasic contractions

\* These programmes allow 6 different modes: upper limbs, torso, lower limbs, for man and woman



## VISOR HEAD MASK

### • 25656 VISOR HEAD MASK

#### Great features

- faceshield with 90° rotation
- inner and outer surface treated against mist
- superior coverage to protect against droplets and splashes of liquids

#### Superior materials

- elastic band in anallergic material
- rotation systems in anodized aluminium
- soft support in anallergic interchangeable foam
- faceshield in heat-formed acetate with anti-fog treatment

#### Easy and comfortable use

- fitting headbands adjustable by velcro fasteners
- usable over ophthalmic glasses

GIMA code	VISOR HEAD	Minimum order
25656	VISOR HEAD MASK	1
25668	VISOR SHIELD	1
25669	SPARE SHIELD for 25668	box of 5

Antifog mask  
0.7 mm thick

CE Class II EN 166-167-168 U1SN



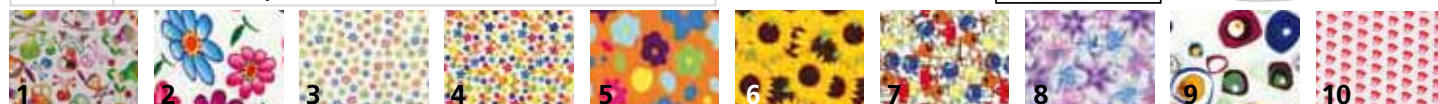
## IUKO PROTECTIVE SHIELDS

### PROTECTIVE SHIELDS

Comfortable, ultra light stylish protective shields.  
They provide high protection from squirts and sprays.  
Folding shield behind the nape.  
Adjustable size, fits majority of healthcare professionals.  
Fits over glasses.  
White or fantasy colour.  
Supplied with 2 face transparent shields.  
Made in Italy.

GIMA code	PROTECTIVE SHIELDS	Minimum order
30860	TETI protective shield	1
30859	TETI TUNING protective shield - flowers	1
30862	TETI TUNING protective shield - other pattern (1 to 10 below)	10*

Select minimum 10 mixed fantasy shields (see below patterns) indicating number (1 to 10) and requested quantities per each fantasy.  
\*Available in 20 days.



## ULTRA LIGHT CLOGS WITH STRAP

**200 g ONLY**



### GIMA ULTRA LIGHT CLOGS

Protective clogs meeting requirements of working shoes norms EN 20347: 2008 A and SRC

- **extremely light:** only 200 g per pair
- **aerated:** lateral holes provide aeration but avoid liquid dropping in

- **anatomic:** respect natural foot anatomy
- **antishock:** maximum energy absorption in the heel zone
- **antislip:** the unique design of the sole's tread meet the SRC requirements regarding the slipping resistance
- **antistatic:** antistatic non marking element in the heel zone working even after many washing
- **washable up to 50°C:** with normal detergents or bleach, resistant to chemicals or UV sterilizations - **antibacterial, antimould, antifungus**
- 26206 ULTRA LIGHT CLOGS - other colour - minimum 50 pair (available in green, orange, black, fuchsia)

ULTRA LIGHT CLOGS		
Size	White	Blue
34	26190	26210
35	26191	26211
36	26192	26212
37	26193	26213
38	26194	26214
39	26195	26215
40	26196	26216
41	26197	26217
42	26198	26218
43	26199	26219
44	26200	26220
45	26201	26221
46	26202	26222
47	26203	26223

## IP67 CERTIFIED, TOUGH, DURABLE CASES - MADE IN ITALY



### GIMA CASES

GIMA cases are IP67 certified tough, reliable and extremely durable in any condition. They offer superior protection from the elements, water, dust and impacts, making them suitable for a wide range of applications. Can be supplied with or without internal foam.

GIMA code	CASES WITHOUT INTERNAL FOAM		
		Internal size	External size
27220	Medium - orange	426x290x159 h	464x366x176 h
27221	Medium - black	426x290x159 h	464x366x176 h
27222	Large case orange	500x350x194 h	555x428x211 h
	CASES WITH INTERNAL FOAM		
		Internal size	External size
27226	Medium - orange	426x290x159 h	464x366x176 h
27227	Medium - black	426x290x159 h	464x366x176 h
27228	Large - orange	500x350x194 h	555x428x211 h

## SHIVER COOLBOX 30 I



- **27213 SHIVER COOLBOX 30 I**  
External size: 29.7x39.5x48.5 h cm  
Inner size: 33x24x42 h cm  
Equipped with ice packs 2x400 ml

### TECHNICAL SPECIFICATIONS

Material: polypropylene  
Insulation: high density expanded polyurethane foam  
Lid featuring built-in 2x400 icepacks holder with swing locking system  
Vertical space for up to six 2-litres bottles  
Gasket in between body and lid for improved sealing

## PROFESSIONAL BAG

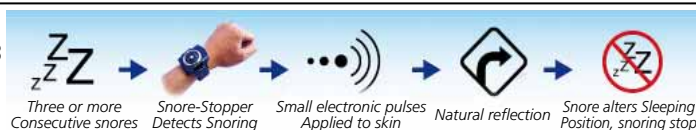


- **27128 PROFESSIONAL BAG - empty**  
Professional versatile bag, designed for general practitioners and any professional. It includes: 3 detachable transparent pouches with velcro, 1 ampoule holder with 23 elastic bands with velcro, 1 large pouch with 4 dividers with velcro, clip paper board, document holder, various pockets. shoulder strap, handle, hidden straps to carry on back. External size: 42x35x15 cm. Weight: 3.3 kg. Maximum recommended contents weight: 5 kg.



## SNORE STOPPER WRISTBAND

- **24405 SNORE STOPPER**
- **24406 SPARE ELECTRODES - kit of 3**  
This innovative wristband reduces snoring using natural biofeedback process, it helps you sleep better and wake up refreshed without changing your life style.



## MANUAL AND ELECTRIC LICE COMB

Natural, ecologic method to eliminate completely lice and nits without any harm. Ideal for allergy sufferers and children.

- **24400 MANUAL LICE COMB**  
Ergonomic comb with long metal teeth and a detachable cleaning brush with built-in magnifier. The long, delicately closed teeth of the comb are designed especially for detaching lice and their nits (tiny eggs). The round form of the touching point respects the growth direction of the hair without harming its texture.
- **24402 ELECTRIC LICE COMB**  
This innovative product removes and kills lice and nits with a quick increasing electrical discharge of 130-180 Volts from the teeth, imperceptible and harmless to humans. Provided of LED light, buzzer indicator and cleaning brush.





# PHARMADOCT FIRST AID, MEDICATION AND WELLNESS



All products are in blister with 5 languages package (GB, FR, IT, ES, DE)

GIMA code	PHARMADOCT LINE	Pieces for box	Minimum order*	GIMA code	PHARMADOCT LINE	Pieces for box	Minimum order*
25300	Classic plasters - 7x2 cm	20	12 box	25316	Herpes patch	15	12 box
25301	Classic plasters - 6 assorted sizes	30	12 box	25318	Nasal strips	10	12 box
25302	Classic plasters - 6 assorted sizes	100	12 box	25372	Ear plugs	4	12 box
25305	Hypoallergenic plasters - 5 assorted sizes	30	12 box	25350	Corn plasters	10	12 box
25307	Hypoallergenic plasters - 2 assorted sizes	4	12 box	25351	Oval corn plasters	9	12 box
25310	Children plasters "tattoo" 2 assorted sizes	16	12 box	25352	Blisters plasters	5	12 box
25312	Plasters with hemostatic gauze	20	12 box	25370	Dental floss	1	12 box
25314	Hand plasters-3 assorted sizes	14	12 box	25380	Lip balm classic	1	12 box
25320	Dressing strip 100x6 cm	1	12 box	25382	Lip balm strawberry	1	12 box
25322	Cloth roll - fabric - 5 mx1.25 cm	1	18 box	25360	Nail scissors	1	12 box
25324	Cloth roll 5 mx2.5 cm	1	12 box	25361	Cuticle clipper	1	12 box
25335	First aid - kit of 8 different products	8	8 box	25362	Nail file	1	12 box
25330	Cotton gauze swabs 18x40 cm	6	12 box	25363	Tweezer	1	12 box
25332	Elastic bandages 4 mx6 cm	2	6 box	25364	Small nail cutter	1	12 box
25337	Adhesive elastic compression bandage 2.5 mx 6cm	1	6 box	25390	Condoms	12	8 box

\* Minimum order is carton of "....." boxes, each one containing "....." pieces

## ANTI-DECUBITUS AIR MATTRESSES WITH PUMP



28513

**EN71 MEDICAL GRADE  
0.35 mm PVC**

28516

### BUBBLE MATTRESS

Designed for the treatment and prevention of pressure sore stage I in long-term and domiciliary therapies. The PVC mattress is composed of 130 7 cm-high bubble cells, particularly comfortable. Fixable to bed by extra flaps on both top and bottom side. Cold-resistant -30 degrees.

### PUMP SYSTEM

Special silent pump for an excellent pressure regulation by a knob on the device front panel. The pump can be hung to any kind of hospital bed frame by means of two adjustable hooks. For use with bubble or alternating cell mattresses.



28512

#### TECHNICAL SPECIFICATIONS - PUMP

	28514	28517
Size:	25x13x9.5h cm	
Operating voltage:	110-240 V, 50-60 Hz	
Working pressure:	50-105 mmHg	50-110 mmHg
Air output:	4-6 liter/min	5-8 liter/min
Cycle time:	6 min	
Plastic casing:	Taiwan chimei ABS	
	TUV-CE IEC/EN60601-1; 60601-1-2	

### INTERCHANGEABLE CELL-MATTRESS

Recommended for the prevention and treatment of pressure sore stage I and II in long-term and domiciliary therapies. The 24 7.5 cm-high Nylon+PVC cells provide superior comfort. They can easily be replaced in case of breakage.

GIMA code	MATTRESSES AND PUMP
28513	Bubble mattress
28514	Pump for 28513
28515	Kit bubble mattress+pump (28513+28514)
28516	Interchangeable cell mattress
28517	Pump for 28516
28518	Kit cell mattress+pump (28516+28517)
28519	Spare cell for 28516

#### TECHNICAL SPECIFICATIONS - MATTRESS

	28513	28516
Total size:	200x90x7 cm	180x80x7.5 cm
Flaps length:	50x50 cm (top + bottom)	-
Cell height:	7 cm (2.7")	7.5 cm (3")
Material:	PVC	Nylon+PVC
Thickness:	0.35 mm	≥ 0.35 mm
Number of cells:	130	24+1 spare
Suitable for persons up to:	100 kg	110 kg

## ELBOW CRUTCHES MADE IN FRANCE



- 43100 EVOLUTION CRUTCHES - black/grey - pair
- 43101 EVOLUTION CRUTCHES - blue/grey - pair
- 43102 EVOLUTION CRUTCHES - orange/grey - pair
- 43110 PROGRESS 2 CRUTCH - pair

Ergonomic handle and brachial support to enhance safety and quality of arm support while moving around.

- 43115 TIKI CRUTCH - blue/orange - pair
- 43120 RUBBER TIP - grey - inside Ø 19 mm - bag of 10

#### TECHNICAL SPECIFICATIONS

Model	EVOLUTION	PROGRESS 2	TIKI
Weight kg:	0.5	0.5	0.5
Height handle to floor mm:	758-883	720-960	520-740
Material of handle:	Polypropylen		
Diameter upper/down pipe mm:	22/19	22/19	22/19
Number of adjustment of height:	12 times adjustable every 12 mm		
Finishing/material:	grey anodisation/aluminium		
Certified and tested for kg:	130	150	100
Standard used for testing:	EN ISO 11199-1		
Adjustable handgrip:	-	4 times	3 times
Handgrip size: Ø x l x h mm	35x100x235	35x100x220/290	32x100x175/200

## ERGONOMIC HEIGHT ADJUST. STOOLS



- 45250 ERGO STOOL - black
  - 45251 ERGO STOOL - white
  - 45252 ERGO STOOL - blue
- Ergonomically designed comfortable stool with saddle-shaped seat and height adjustment with a gas piston. Height adjustable 52 to 67 cm

- 45260 ERGO B STOOL - black
  - 45261 ERGO B STOOL - white
  - 45262 ERGO B STOOL - blue
- Ergonomically designed comfortable stool with saddle-shaped seat. Three levers with a gas piston allow adjustment of height, backrest angle and seat. Height adjustable 62 to 78 cm



## DONOR ARMCHAIR

### • 27557 DONOR ARMCHAIR - blue

Strong and stylish armchair with structure made with oval, round and square metal section tubing (legs oval tubing 50x25x1.5; central frame square tubing 30x30x1.5, cushions round tubing 20x1.5 diam.). Structure fully coated with white epoxy powder. High density polyurethane foam platform with wooden base covered by leatherette upholstery. Both materials are flame resistant Class 1 IM. Synchronized adjustment of the two cushions by a gas pump (600 N). The backrest inclination ranges from +60° to -5° in Trendelenburg position, leg rest from -80° to +5°. The arm-rests have a joint allowing inclination during use, can be height adjusted and, when removed, can be rotated up to 180°. Four adjustable feet ensure maximum stability. Made in Italy



White ral colour  
9003 structure,  
minimum thickness  
70/80 micron.  
Glossy finish.

## SHOWER MATTRESS

### • 27836 SHOWER MATTRESS

It allows bed-ridden, elderly or disabled patients to be washed and cared for in their personal hygiene with running water directly on their bed, without any need for transfer/lift. Inside the "Shower Mattress", the patient can be showered with water coming from the tap via an extension hose or using the special pressurized water tank provided with flexible hose and shower head. Once finished, the water is drained into a suitable container. Complete with plug and flexible hose for quick water drain.

### • 27837 WATER TANK

Pressurized water tank complete with flexible hose and shower head operated by button.

### • 27838 SHOWER EXTENSION HOSE

Flexible, 6 m hose complete with button-operated shower head and tap adapter.



27837

27836



27838

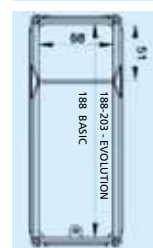
## SHOWER TROLLEY - HYDRAULIC AND ELECTRIC HEIGHT ADJUSTMENT



27814



27815



- 27814 BASIC SHOWER TROLLEY - hydraulic
- 27815 EVOLUTION SHOWER TROLLEY - hydraulic
- 27816 EVOLUTION SHOWER TROLLEY - battery
- 27817 EVOLUTION SHOWER TROLLEY - hydraulic with tilt head section

### • 27818 PILLOW - 55x55x14/2 h cm

The stretcher can be used for both transport and showering. The hydraulic version can be height-adjusted by means of a foot pump on either side. The whole frame has a special cataphoresis anti-corrosion treatment, the mattress base is made of ABS plastic; stainless steel side rails and fasteners. Safety side rails are provided with a locking device and can be easily folded down by one hand when transferring patients from bed to stretcher. The head end rail can also be dropped to be used by patients taller than 188 cm (Evolution only). Width can be effortlessly reduced by attendants when transporting through doorways by folding down the side rails. The stretcher has a drain hole with a 150 cm water drainage hose. Water drainage is made easier thanks to the possibility for the carer to tilt the mattress base by means of a gas spring control. Castors have a central braking system (Evolution only). There is also a directional lock to facilitate transport. Safe working load: 180 kg.

### Model with electrical height adjustment.

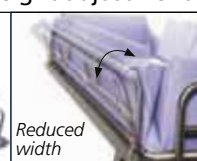
24 V rechargeable battery and hand control. The battery charger 110/220 V - 50/60 Hz is included.

### Model with tilting head section (27817) - hydraulic.

Available version with tilt adjustable backrest by manual control and piston, with hydraulic height adjustment. Made in Italy.



Backrest tilt up to 63°  
only for 27817



Reduced  
width



Pillow with 15° tilt,  
55x55x14/2 h cm

27818

### TECHNICAL SPECIFICATIONS

	BASIC	EVOLUTION
Safe working load	160 kg	180 kg
Weight	97 kg	107 kg
Caster diameter	12.5 cm	15 cm
Caster braking system	Individual on each castor	Central pedal-operated
Directional system	yes	yes
Side rails width reduction	yes	yes
Collapsible head end rail	no	40°
Tilt for water discharge	5°	5°
Discharge hose length	150 cm	150 cm

## KING HEIGHT ADJUSTABLE EXAMINATION COUCH

### • 27613 KING HEIGHT ADJUSTABLE EXAMINATION COUCH - blue

Height adjustable examination couch with head section easily adjustable by a rack system.

Strong and stylish leg structure in oval tubing 50x25x1.5 mm, central frame in rectangular tubing 50x20x1.5 mm painted with metallic grey epoxy powder. Minimum thickness 70/80 micron, glossy finish.

High density polyurethane foam platform with wooden base covered by leatherette upholstery. Both materials are flame resistant Class 1 IM. Leatherette washable with the most common detergents.

Couch roll holder included.

Maximum load: 130 kg.

Made in Italy.

Size: 190x60x45/95 cm

Weight: 35 kg



## UNIX HEIGHT ADJUSTABLE EXAMINATION COUCH

### • 27579 UNIX EXAMINATION COUCH - beige (8)

### • 27580 UNIX EXAMINATION COUCH - any colour\*

\*You have to indicate upholstery colour code with order (available in 30 days)

Examination and treatment couch with head section adjustable by gas spring. Electric height adjustment 55-93 cm. Due to absence of longitudinal movement it is suitable for restricted or small spaces.

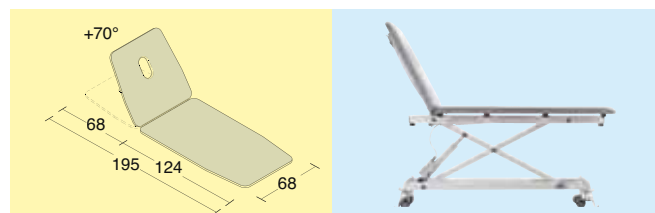
Wheels can be activated by 2 pedals.

Safe working load: 170 kg Made in Italy

### • 27651 COUCH ROLL HOLDER - adjustable to roll widths up to 61 cm

### • 27599 BREATHING HOLE PLUG - beige (8)

### • 27594 BREATHING HOLE PLUG - any colour



Upholstery  
colour code



## ALUX EXAMINATION AND TREATMENT TABLE

### • 27648 ALUX EXAMINATION TABLE - light blue (R)

### • 27649 ALUX EXAMINATION TABLE - any colour\*

\*You have to indicate upholstery colour code with order (available in 30 days)

Examination, treatment and relax couch with breathing hole plug included.

Trendelenburg position can be electrically adjusted up to 30° up and down, no longitudinal movement during height adjustment.

Height adjustment electric, with hand control, 2 motors and keyboard on both sides.

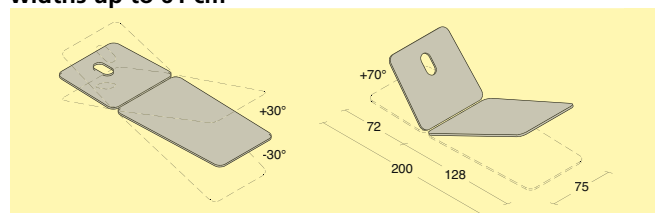
Double telescopic column 53-93 cm.

Head section

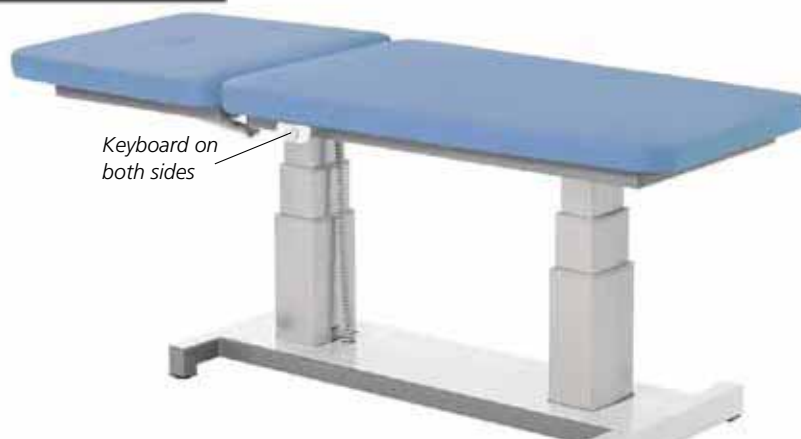
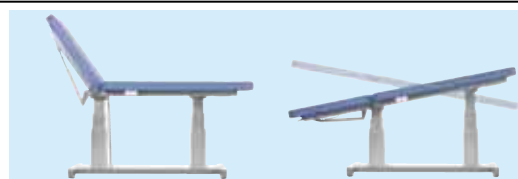
Large backrest section with adjustment by gas spring

Safe working load: 180 kg. Made in Italy.

### • 27651 COUCH ROLL HOLDER - adjustable to roll widths up to 61 cm



AVAILABLE IN 20  
COLOURS



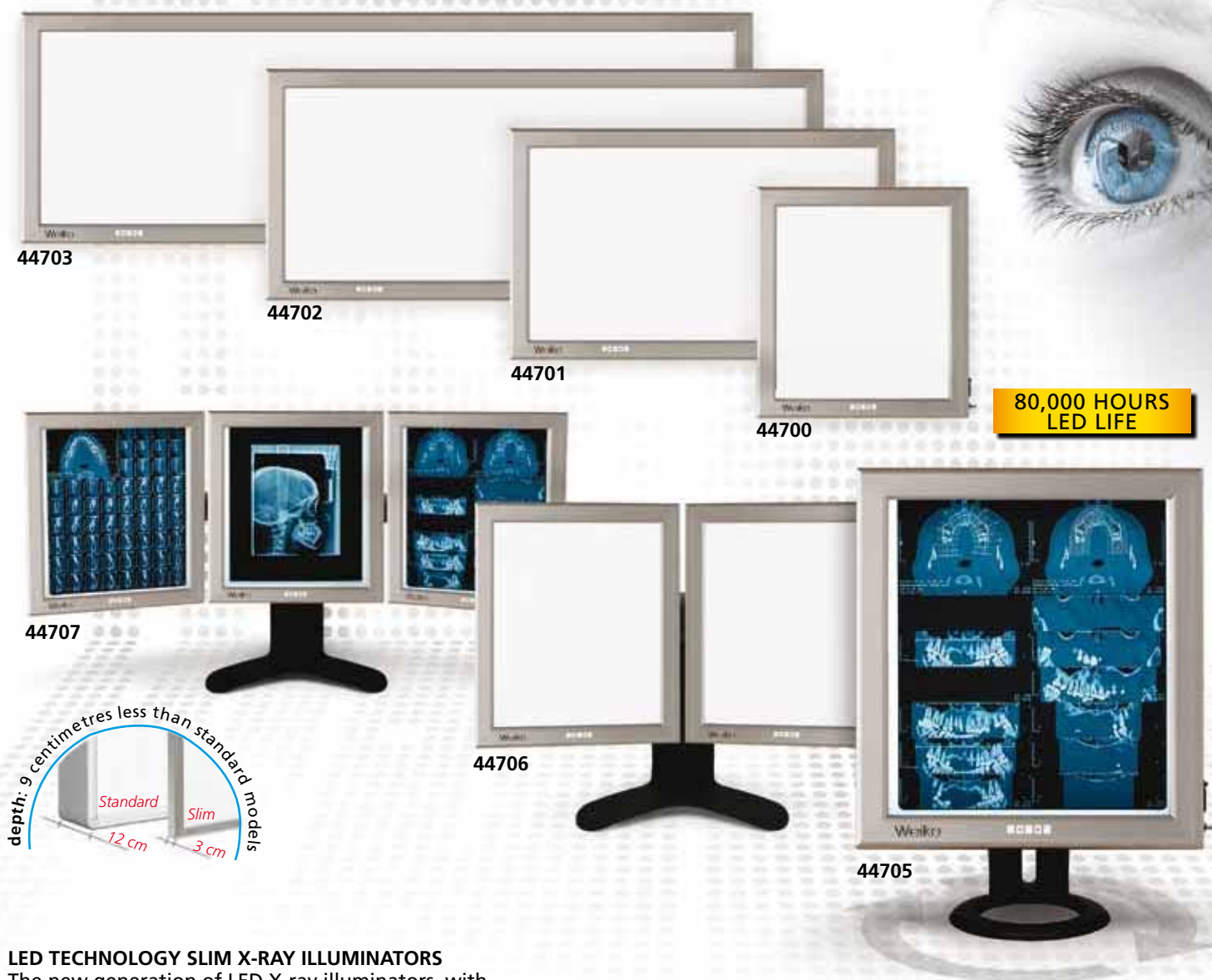
Keyboard on  
both sides

Upholstery  
colour code





# LED ULTRA SLIM X-RAY ILLUMINATORS - DESKTOP AND WALL



## LED TECHNOLOGY SLIM X-RAY ILLUMINATORS

The new generation of LED X-ray illuminators with colour temperature of 7,200°K for superior viewing and reading of radiography.

Complete elimination of light flickering and 3,500 cd/mq luminance for more uniform light diffusion.

Frame in antiscratch anodized aluminium.

Film gripping system incorporated.

Dimmer for luminance adjustment from 30% to 100%.

Economic advantages:

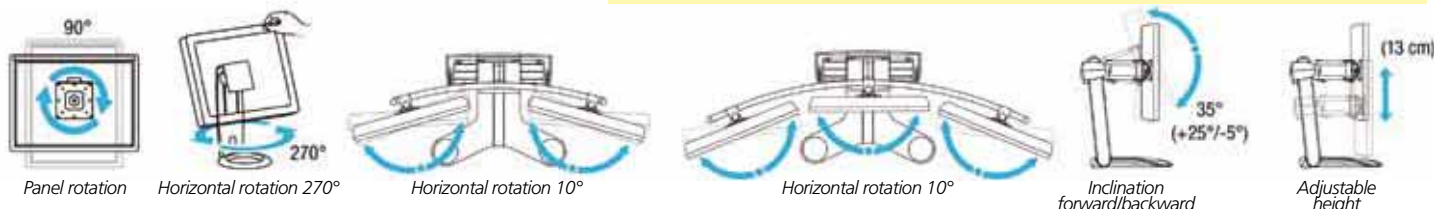
- LED life 80,000 hours, with low maintenance costs
- low energy consumption compliant with European law
- Double support for horizontal or vertical wall mounting or desktop.

### Fully adjustable desktop model:

Position of panel can be totally adjusted:

- height adjustment 13 cm
- inclination 35° (+25°/-5°)
- vertical or horizontal positioning (27395 only)
- horizontal rotation 10° (270° for 27395 only)

### PANELS ADJUSTMENT



GIMA code	WALL LED SLIM VIEWERS viewing area	External size			Weight kg	Switches	Types
		Length	Height	Depth			
<b>44700</b>	Light box 42x36 cm	46	50.5	3	4	1	■ 1 panel
<b>44701</b>	Light box 42x72 cm	82	50.5	3	8	1	■ 2 panels
<b>44702</b>	Light box 42x108 cm	118	50.5	3	12	1	■ 3 panels
<b>44703</b>	Light box 42x144 cm	154	50.5	3	16	1	■ 4 panels
	DESKTOP LED SLIM VIEWERS viewing area						
		Length	Height	Depth			
<b>44705</b>	Light box 42x36 cm x1	46x1	50.5	3	6	1	■ 1 panel
<b>44706</b>	Light box 42x36 cm x2	46x2	50.5	3	20	2	■ 2 panels
<b>44707</b>	Light box 42x36 cm x3	46x3	50.5	3	26	3	■ 3 panels

### TECHNICAL SPECIFICATIONS

Colour temperature: Cool white 7,200°K  
 Power supply: 230 V - 50/60 Hz  
 Conformity to Low Voltage Directive 2006/95/CE  
 Conformity to Electro Magnetic compatibility 2004/108/CE  
 Conformity to EEC directive 2007/47 medical Device Class I  
 All components UL, DVE, IMQ approved  
 Made in Italy

Brightness: 3,500 cd/m<sup>2</sup>  
 LED life: 80,000 hours

## NEUROLOGICAL KIT

31265



### • 31265 NEUROLOGICAL KIT - 3 hammers

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

## STEREOPTIC TEST

### • 31293 STEREOPTIC TEST

This test is performed at a distance of 30-40 cm and allows evaluation of the cooperation between the two eyes to form a single image to the brain from the two image provided separately by each of the two eyes. It can be used for children from the age of one year and adults if you suspect strabismus, amblyopia or visual reduction of one or both eyes.



Gima stereoptic test contains  
one ball, one fish, one star,  
one tree. Ball can be seen by  
one eye only.



## LEA SYMBOLS AND NUMBERS VISION CARDS AND CHARTS

31322



31323



31324



31325



### • 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 response key, training cards, and instructions. 43x53.4 cm (17x21"). Folds to 43x26.7 (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 3 years. Has hole for hanging on the wall. 45.7x50.8 cm (18x20"). Folds to 45.7x25.4 (18x10").

## LOW CONTRAST CHARTS

31318



31317

### • 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

Multiple pinhole



31275

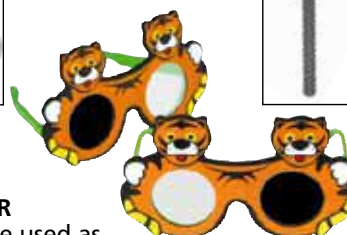
### • 31275 EYE OCCLUDER - 170x200x3 mm

### • 31274 OCCLUDER

### • 31276 FUN FRAMES OCCLUDER

Set of two tiger fun frames to be used as occluder during children examinations.

31274

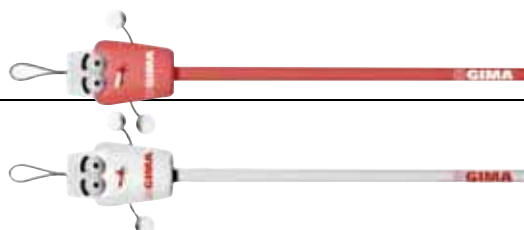


31276

## 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.





## MINISPIR LIGHT

• **33527 MINISPIR with Winspiro Light**  
Minispir light measures 10 essential parameters for a diagnostic spirometry: FEV6, FVC, FEV1, FEV1%, PEF, FEF2575, FIVC, Lung Age, VC, IVC.  
Flow/Volume loop and Volume/Time curve.  
Spirometry test interpretation.  
Temperature sensor for BTPS conversion.  
Minispir light meets the requirements of integrated healthcare platforms and tablet applications. For use with FlowMir disposable turbine only.

**Winspiro Light** is an intuitive and efficient software, for complete diagnosis included with Minispir Light.

### PC SYSTEM REQUIREMENTS FOR WINSPIRO LIGHT/PRO

Microsoft Windows: XP, Vista 32/64 bit, Seven 32/64 bit  
Screen resolution: 1024x768 Hard disk: 128 MB (better 256 MB)  
USB socket

### TECHNICAL SPECIFICATIONS MINISPIR/MINISPIR LIGHT

Temperature sensor: semiconductor (0-45°C)  
Flow sensor: bi-directional digital turbine  
Flow range:  $\pm 16$  L/s  
Volume accuracy:  $\pm 3\%$  or 50 mL  
Flow accuracy:  $\pm 5\%$  or 200 mL/s  
Dynamic resistance at 12 L/s:  $<0.5$  cmH<sub>2</sub>O/L/s  
Communication port: USB  
Power Supply: line powered from USB port  
Dimension: 52x128x26 mm (2.1x5.0x1.0 inch)  
Weight: 70 g (2.5 Oz)

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

SpO<sub>2</sub> range: 0-99%  
SpO<sub>2</sub> accuracy:  $\pm 2\%$  tra 70-99% SpO<sub>2</sub>  
Pulse Rate range: 30-300 BPM  
Pulse Rate accuracy:  $\pm 2$  BPM or 2%  
**Measured parameters**  
SpO<sub>2</sub> [Baseline, Min, Max, Mean],  
Pulse Rate [Baseline, Min, Max, Mean],  
T90 [SpO<sub>2</sub><90%], T89 [SpO<sub>2</sub><89%], T88 [SpO<sub>2</sub><88%],  
T5 [ $\Delta$ SpO<sub>2</sub>>5%],  $\Delta$  Index [12s], SpO<sub>2</sub> Events,  
Pulse Rate Events [Bradycardia, Tachycardia]

**FOR ESSENTIAL  
RESPIRATORY  
TESTING**

## AND NEW MINISPIR-USB

• **33528 MINISPIR with Winspiro PRO**  
• **33529 MINISPIR+OXYMETER with Winspiro PRO**  
Real time Flow/Volume loop and Volume/time curve with PRE/POST comparison. Advanced spirometry test interpretation. Pediatric incentive animations. Lung Age. Bronchial provocation test including new Mannitol protocol with FEV1 response curve.  
Temperature sensor for BTPS conversion.

**32 measured parameters:** FVC, FEV1, FEV1/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25-75%, FET, Vext, Lung Age, FIVC, FIV1, FIV1/FIVC%, PIF, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV

**Winspiro PRO** is a unique spirometry and oximetry software, which comes standard with Minispir. All patient records are shown on simple, single-screen patient cards with dynamic management of all data and graphs.

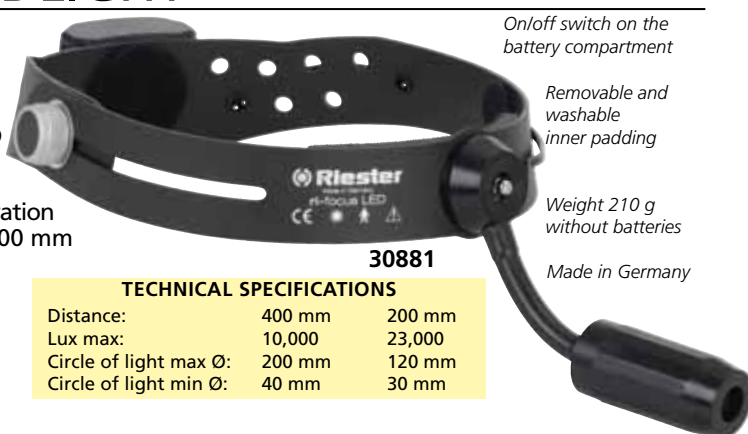
**FOR COMPLETE  
RESPIRATORY  
ANALYSIS**

**33529 PC not included**

GIMA code	SPARE PARTS AND ACCESSORIES
<b>33508</b>	Flowmir disposable turbine with integrated mouthpiece.
<b>33410</b>	Adult mouthpieces Ø ext 3 cm - box of 500 pieces
<b>33526</b>	Reusable turbine (only for Minispir)

## RIESTER RI-FOCUS LED HEADLIGHT

• **30881 RI-FOCUS LED HEADLIGHT - with rechargeable batteries**  
High performance LED headlight with battery compartment for fast and easy change of battery. Flexible hinge for a comfortable one-hand use of the LED illumination body.  
- more efficient diagnosis due to white and high performance LED with up to 100,000 LUX and 50,000 hours lifetime  
- wireless headband with built-in battery compartment  
- particularly comfortable with balanced headband and one-hand operation  
- focusable LED lamp at a distance of 40 cm approx Ø 40 mm to 200 mm infinitely focusable  
- white LED with 6,000 °Kelvin, 140 lumen  
- significantly less heating and energy loss  
- rechargeable battery operation: approx 90 min with fully charged batteries  
Rechargeable AAA batteries and plug in 230 V charger included



On/off switch on the battery compartment

Removable and washable inner padding

Weight 210 g without batteries

Made in Germany

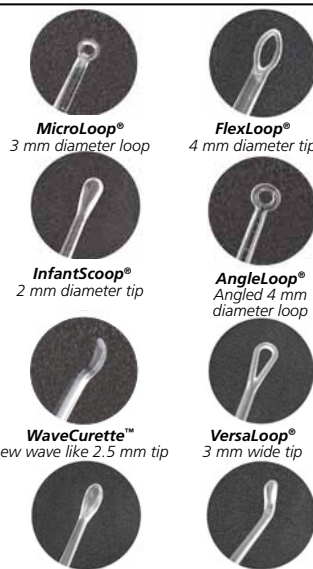
### TECHNICAL SPECIFICATIONS

Distance:	400 mm	200 mm
Lux max:	10,000	23,000
Circle of light max Ø:	200 mm	120 mm
Circle of light min Ø:	40 mm	30 mm

## BIONIX LIGHTED CURETTES

• **31455 SET OF LIGHTED CURETTES**  
8 different lighted currettes (see beside models) + LED illuminator + lens + lighted forceps (31458) + light articulated ear curette (31459)  
• **31461 KIT MICROLOOP** • **31463 KIT FLEXLOOP**  
• **31465 KIT INFANTSLOOP** • **31466 KIT ANGLELOOP**  
All kits include 50 currettes + LED illuminator + Lens  
• **31458 LIGHTED FORCEPS - box of 10 + Lens + LED illuminator**  
• **31459 LIGHTED ARTICULATING CURETTES - box of 50 + Lens + LED illuminator**

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



**MicroLoop®**  
3 mm diameter loop

**FlexLoop®**  
4 mm diameter tip

**InfantScoop®**  
2 mm diameter tip

**AngleLoop®**  
Angled 4 mm diameter loop

**WaveCurette™**  
new wave like 2.5 mm tip

**VersaLoop®**  
3 mm wide tip

**CeraSpoon®**  
4 mm wide tip

**CeraPik™**  
2.5 mm concave tip bent to 45°

Great for hard, impacted cerumen and foreign bodies



**31458**

Lighted forceps for foreign body removal

**31459**

Lighted ear curette with 3 mm tip

## LED MAGNIFYING LAMP - 5 DIOPTRES

### • 30737 LOUPE LED MAGNIFYING LIGHT

Smartly designed cold light LED lamp with 5-dioptres magnification. 5 wheels base and articulated arm allow easy movement. Made in Europe.

The right light  
**LUXO**



#### TECHNICAL SPECIFICATIONS

Type of light: LED  
Dioptres: 5  
Lens: Ø 12.7 cm  
Operating voltage: 230 V - 50 Hz  
Class II  
Electrical security: UNI EN 60601-1 (1990)  
Electromagnetic compatibility: EN 60601-1-2 (1993)



Height  
50+50 (arm) +  
95 cm (trolley)

30737

### • 30736 DERMALED MAGNIFYING LAMP

Cold light LED lamp with 5-dioptres magnifying lens and brightness adjustment. It comes with a high stability 5 wheels base and an articulated arm for easy movement and fixing of the lamp. Suggested for dermatology and beauty treatments. Made in China.



#### TECHNICAL SPECIFICATIONS

Type of light: LED  
Voltage: 8 W  
Dioptres: 5  
Operating voltage: 100-240 V - 50/60 Hz  
Net/Gross weight: 10-12 kg



30736

## PRIMALED COLD LIGHT LAMP - 80,000 LUX

### PRIMALED COLD LIGHT LAMP WITH 9 LED LENSES

Appealing design and advanced technology.

**Design:** the round and ultra-flat shape of the light makes the product ergonomic and suitable for any type of installation, from the doctor's surgery to the intensive-care unit.

**Ergo-Spring:** the movement of the articulated tubular arm is servo-assisted by a torsion spring which ensures ease of movement and stability.

**80,000 lux:** unique performance with 80,000 lux at 50 cm.

**Light intensity adjustment:** six different adjustment levels by the keys on the frontal panel.

**4500-5000 °K Colour temperature selection:** The comparison between the two colours (K) increases the visibility of details.

**Shadow suppression:** the radial layout of the lenses and the large-diameter lamp (195 mm) allow shadow suppression and three-dimensional lighting.

**Adjustable courtesy-light:** integrates ambient light with traditional concentrated light.

**Sterilizable removable grip:** allows best asepsis.

**Cold light:** the reduced emission of IR rays by the LEDs as well as the low power consumption allow minimum heat emission.

**Disinfection:** the smooth and rounded shape of the dome and structure make it easy to clean and disinfect.

**50,000 hours LEDs life:** the top aluminium dome allows heat exchange, thus reducing the work temperature and considerably increasing the life cycle of the single LEDs.

**Fully certified:** complies with IEC 60601-1 and 60601-1-2 general medical standards and to special standard IEC 60601-2-41 93/42 EEC and 2007/43 EC and is CE marked as a Class I medical device.

**Mechanical testing and user safety:** die-cast aluminium and tubular steel structure. The articulated arm has undergone mechanical testing for 40,000 continuous movements to ensure maximum safety for the user during use.

**Light continuity:** the modular design of the LED power circuit ensures light continuity even in case of a LED fault.

The following functions are controlled by the keys on the membrane keyboard:  
- on/off  
- selection of the 5000°K and 4500°K colour temperatures  
- 6-level adjustment of the light intensity  
- courtesy light



#### TECHNICAL SPECIFICATION

LED life: 50,000 hours  
Light intensity: 80,000 lux at 50 cm, 20,000 lux at 1 m  
Colour temperature: 4,500-5,000 °K  
Colour rendering index: 95  
Illuminated field at 50 cm: Ø 140 mm  
External diameter of the reflector: 190 mm  
Temperature increase in the operating area at 1 m: 1°C  
Adjustable height with castors: 600 mm - max 1600 mm  
Power supply: 81-240V - 50/60 Hz  
Electric absorption: 21VA  
Weight: 10 kg (trolley included)  
Made in Italy

GIMA code	PRIMALED
30777	Primaled light - trolley
30778	Primaled light - ceiling
30784	Primaled light - wall
30786	Primaled light - rail (25x10) and clamp



## PENTALED 30E SURGERY LAMP 130,000 LUX

### LED LIGHT INNOVATIVE TECNOLOGY

PentaLED 30E is a compact size hi-tech product to guarantee great performance levels. It has 30 elliptical reflectors split into 6 modules each containing 5 LEDs, providing 130,000 LUX

- **selectable 5,000 °K - 4,500 °K.** By simply pressing the digital key, the surgeon can choose two different white light temperatures

- **E-view.** Innovative lens allows the surgeon to expand/narrow the illuminated operating field electronically, without altering intensity of light.

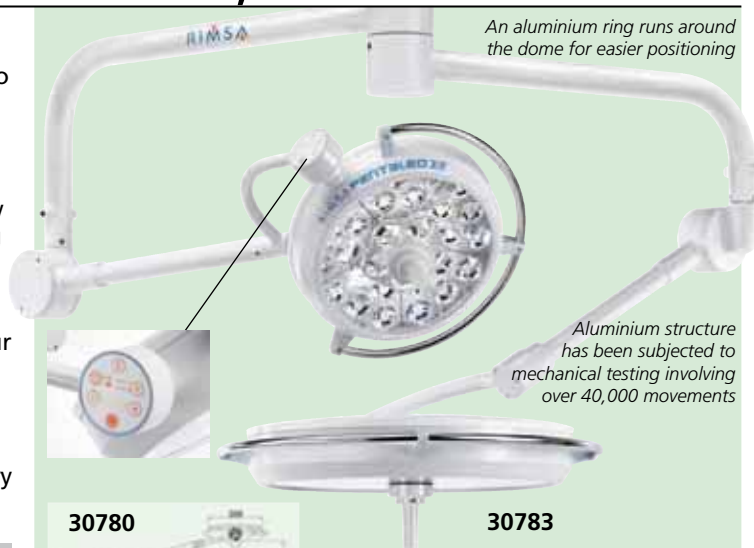
- **E-comfort.** The indirect light creates 3D shadowless illumination of the operating field, no risk of dazzling

- **E-white.** Only white light to avoid risk of perception of colour temperature variations or coloured shadows

- **E-deep.** Centre of light is fitted with extra LEDs module specifically designed to reflect deep light. This means that surgeon can work with perfect 3D lighting.

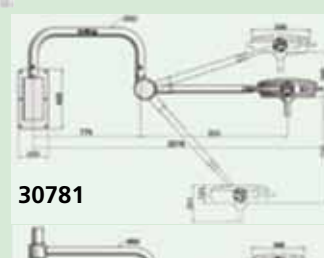
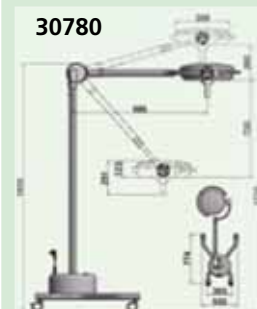
**Battery and high definition camera on request.** Optional battery group with automatic charger (4 hours autonomy) and high definition integrated camera (for ceiling and wall model only).

GIMA code	PENTALED 30E
30780	PentaLED-mobile
30779	PentaLED-mobile with battery group and automatic charger
30781	PentaLED - wall
30782	PentaLED - ceiling
30783	PentaLED - ceiling - double
30785	Autoclavable handle - up to serial number 12071
30738	Autoclavable handle - since serial number 12072



30780

30783



30781

30782

### TECHNICAL SPECIFICATIONS

Adjustable light intensity at 1 m distance (Ec)	Klx 60 to 130
Colour temperature - switchable	°K 4,500 to 5,000
Colour rendering index (CRI)	Ra 96
Light field (electronically adjustable)	16-28 cm
Light field diameter where the illuminance reaches 10% of Ec (d10)	mm 160
Light field diameter where the illuminance reaches 50% of Ec	mm 80

Total radiated energy Ee where the illumination reaches max level W/m² 299  
 Average LED life hours 50,000  
 Power supply: 100-240 V - 50-60 Hz  
 Regulations: IEC 60601-2-41 - 2007/47/EC  
 Made in Italy

## HALOGEN AND LED LIGHTS FOR EXAMINATION AND MINOR SURGERY



Model	LUXIFLEX		MINIMED	
Type of lighting	halogen	LED	halogen	LED
Consumption (Watt)	35	10	50	12 (4x3)
Life of the bulbs (hours)	5,000	25,000		
Light intensity at 50 cm (lux)	50,000	15,000	38,000	20,000
Colour temperature ± 5% at 1 m (K)	4,000	3,000	3,100	6,500
Colour	white	white	white	white
Norms	— EN 60601-1-2 —		— IEC 60601-1 —	
Marks	— CE 93/42 —		CE 93/42 CE 93/42	
Weight (kg)			9	9
Operating voltage V-Hz	230 - 50	230 - 50	230-50/60	230 - 50/60

- **30754 LUXIFLEX on trolley - halogen**
- **30756 LUXIFLEX on trolley - LED**

Stylish and versatile light for examination and minor surgery procedures in health-centres, clinics and hospitals. Suitable also for veterinary examinations and procedures. Safe low voltage operation with electronic transformer lodged at the bottom of the lamp. Flexible arm and 5 castors trolley allow easy use and movability. Class II. Made in Europe.

- **30757 SPARE BULB LUXIFLEX - halogen**

- **30742 MINIMED ON TROLLEY - halogen**

- **30743 MINIMED ON TROLLEY - LED**

Low voltage and high definition, intense light. Flexible arm for versatile use.

Supplied on a sturdy 4 castors stand for easy movability.

Made in Italy.

- **30744 SPARE BULB - 50 W - halogen**



# RIESTER ANEROID SPHYGMO - MADE IN GERMANY



## • 32686 SANAPHON SPHYGMO with integrated stethoscope

A classic palm-style latex-free sphygmomanometer for precise self-measurement including stethoscope. Sanaphon® guarantees exact measurement values even for patients with heart rhythm disturbances.

## • 32687 E-MEGA SPHYGMO

With disinfectable latex free one-piece cuff.

- fast inflation of the cuff due to new 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
- comfort - air release valve, wearfree, with fine adjustment

## • 32716 R1 SHOCK PROOF SPHYGMO

Exact precision that lasts a lifetime. Made in Germany, 5 years warranty on calibration.

- shock-proof up to a falling height of 120 cm
- scale: Ø 52 mm black with red fluorescent pointer
- 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 ergonomical operation.
- maximum error tolerance of  $\pm 3$  mmHg
- weight: 173 g
- supplied in velcro bag
- latex free

# PERFECT ANEROID

# ERKA SWITCH

# ERKA SWITCH SIMPLEX



## ERKA.

### • 32688 ERKA PERFECT - 201.003.02 dial Ø 48 mm - 2 tubes

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  $\pm 1\%$

Made in Germany.  
3 year warranty.

## 32689 ERKA.

### • 32689 ERKA SWITCH 2.0 CONFORT - 293.603.13 - dial Ø 56 mm - 1 tube

It offers outstanding ergonomics and simple adaptation for left and right-hand 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. Measuring range 0-300 mmHg  $\pm 1\%$ . Supplied with pouch. Made in Germany. 4 year warranty hand held, 2 year manometer.

## ERKA.

### • 32697 ERKA SWITCH SIMPLEX - dial Ø 56 mm - 2 tubes

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. Made in Germany. 4 year warranty hand held, 2 year manometer.



# OMRON DIGITAL BLOOD PRESSURE METERS



## • 32930 OMRON M3 HEM-7200-E



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



Irregular heartbeat detection



B.P. level indicator easily identifies possible hypertension



Full size display with all parameters at once



2 user memories

Comfort cuff fits normal and large arms



## • 32931 OMRON M6 COMFORT - HEM-7223-E

## • 32932 OMRON R3 HEM-6200-E

### TECHNICAL SPECIFICATIONS

	32930 M3	32931 M6	32932 R3
Measuring method:	oscillometric		
Measuring range:	0 mmHg to 290 mmHg ± 3 mmHg		
Pressure:	40 to 180 min ± 5% of display reading		
Pulse:	100x2 users		
Memory (with data and time):	60	100x2 users	60
Inflation:	fuzzy logic controlled by electric pump		
Deflation:	automatic pressure release valve		
Rating:	automatic		
Power source:	4 "AA" batteries 1.5V		
Battery life (N° of measurements):	1500	1000	300
Protection against electric shock:	internally powered ME equipment (when using batteries)		
Weight (console+cuff) without batteries:	340+120 g	380+210 g	117 g
Size:	123x141x85 mm	123x158x85 mm	71x70x41 mm
Cuff materials:	nylon and polyester		
Measurable circumference:	22-32 (arm)	22-42 (arm)	13.5-21.5 (wrist)

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

Size: 140x104x50 mm  
Weight: 247 g

LCD size 60x51 mm

Cuff size for arm circumferences 23-33 cm



32924



Size: 74.5x74x30 mm  
Weight: 95 g

LCD size 34.5x42 mm

Cuff size for arm circumferences 13.5-19.5 cm



32926



Liquid crystal display

### TECHNICAL SPECIFICATIONS

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

## • 32924 X-LIFE ARM TYPE B.P. MONITOR

## • 32926 X-LIFE WRIST TYPE B.P. MONITOR

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
- memory average: automatically average last 3 memories
- 32925 SPARE CUFF - adult

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



Display 62x43 mm LCD

32921

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

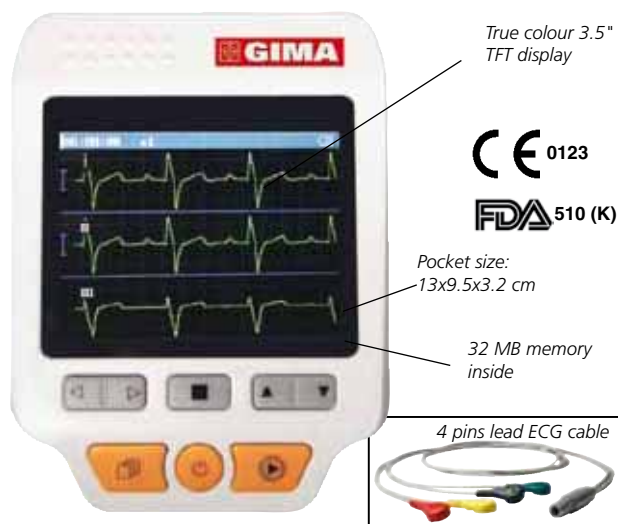
Compact, fully logic, multiuser, B.P.M. with innovative features:

- 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, data and time
- display systolic, diastolic and pulse rate separately
- 32922 SPARE CUFF - adult - 22-30 cm (8-11")
- 32923 SPARE CUFF - adult large - 30-42 cm (11-16")

### TECHNICAL SPECIFICATIONS

Measuring method:	oscillometric
Measuring range:	0-295 mmHg (blood pressure) ± 3 mmHg
	40-199 beats/min (pulse rate) ± 5% of reading
Power supply:	4x"AA" batteries 1.5 V
Dimensions:	138x98x48 mm
Weight:	211 g (excluding batteries)
Arm cuff:	applicable for arm circumferences 22-30 cm or 30-42 cm

## CARDIO-C: 3 CHANNEL POCKET ECG



True colour 3.5"  
TFT display

CE 0123

FDA 510 (K)

Pocket size:  
13x9.5x3.2 cm

32 MB memory  
inside

4 pins lead ECG cable

### • 33245 CARDIO-C POCKET ECG - 3 channel

- small size, light-weight and easy to carry
  - one-key measurement
  - clear ECG waveform and interpretation of results on colour dot-matrix TFT 3.5" screen
  - up to 19 types of measurement results
  - high capacity built-in memory: 24 hours records storage and review for single channel waveform and 8 hours record storage and review for 3-channel waveforms
  - quick measurement: **by built-in metal electrodes**, on palm, chest or leg or **by external lead wires** (needs optional limb and chest electrodes)
  - data management to review or delete data records locally or to upload to PC
- Supplied with ECG viewer software, USB cable, power transformer, ECG 4 pins lead wire, 25 disposable electrodes.

#### TECHNICAL SPECIFICATIONS

Heart rate measuring range:	30 bpm ~ 240 bpm
Heart rate measuring accuracy:	$\pm 2$ bpm or $\pm 2\%$ whichever is greater
ECG bandwidth:	0.5 Hz ~ 40 Hz
Internal noise level:	$\leq 30\mu\text{Vp-p}$
Display scale:	5.0 mm/mV $\pm 10\%$
Common-mode rejection ratio (CMRR):	$\geq 60$ dB
Waveform sweeping speed:	20 mm/s $\pm 10\%$
Input loop current:	$\leq 0.1 \mu\text{A}$
Input impedance:	$\geq 5 \text{ M}\Omega$
Power:	4 AA alkaline batteries - 4.4 ~ 6 VDC
Max average working current:	$\leq 160 \text{ mA}$
Auto power-off:	can be adjustable between 1-5 mins
Low battery indication:	4.4 VDC $\pm 0.2$ VDC

#### Methods of ECG measurements: direct or with lead wires



Direct on leg

Direct on chest

Direct on palm or wrist

With lead wires, need limb electrodes 33364

With lead wires, need chest electrodes 33327

## MAXI ASPEED HIGH FLOW ASPIRATOR FOR HOSPITAL USE

### MAXI ASPEED SURGICAL ASPIRATORS

Surgical aspirators for aspiration of body liquids in operating theatres and hospitals. **Easy to carry.** Equipped with 4 antistatic wheels (2 with brake) and carrying telescopic handle.

**Developed to run continuously.** Made in highly heat resistant, electrically insulated plastic material in conformity with latest European safety standards. Vacuum regulator with BAR/PSI vacuometer and automatic flow direction regulator to easily switch from a jar to the other. Supplied with 2 autoclavable polycarbonate jars with safety valve (overflow protection), set of atoxic sterilizable silicone tubes, 99% antibacterial hydrophobic filters (2) and multilanguage manual (GB, FR, IT, DE, ES). Made in Italy.



#### TECHNICAL SPECIFICATIONS

Operating voltage:	230 V - 50/60 Hz. Available on request 110-60 Hz
Air flow:	60 or 90 l/min
Operating cycle:	continuous
Adjustable vacuum level:	0-0.90 bar (0-90 kPa)
Size:	470x580x560 mm
Weight:	15 kg (60 l), 17 kg (90 l)
MDD class:	IIa

GIMA code	MAXI ASPEED	Jar	Power	Foot switch	Flow direction regulator
28285	Maxi Aspeed 60 l	2x2 l	230 V	-	yes
28286	Maxi Aspeed 60 l	2x2 l	230 V	yes	yes
28289	Maxi Aspeed 90 l	2x2 l	230 V	-	yes
28291	Maxi Aspeed 90 l	2x4 l	230 V	-	yes
28292	Maxi Aspeed 90 l	2x4 l	230 V	yes	yes

#### ACCESSORIES

28294	Autoclavable jar 2 l with safety valve
28295	Autoclavable jar 4 l with safety valve
28297	Hydrophobic 99% antibacterial filter
25851	Silicone tube antibacterial - 8x14 mm - minimum 30m



## ASPEED 2 PROFESSIONAL ASPIRATORS - HIGH VACUUM



CE 0434  
EN ISO 10079-1  
Class I  
Type B

- 28280 ASPEED 2 ASPIRATORS 15 l
- 28281 ASPEED 2 ASPIRATORS 22 l

Piston-type continuous cycle electric aspirators give high performance and great durability. Equipped with a protective thermal cut-out relay. They require no maintenance or lubrication. A motor-protector cap totally prevents aspirated liquids or secretions from reaching and damaging the vacuum pump. Ideal for clinical use. Made in Italy.

#### STANDARD ACCESSORIES

Autoclavable polycarbonate jar 1,000 cc with safety valve (overflow protection)	Sterile manual flow regulator
Disposable suction liner 1 l	Set of atoxic sterilizable silicone tubes
99% Antibacterial hydrophobic filter	Power Cable
Sterile disposable cannula	User Manual UK, FR, IT, DE, ES

#### TECHNICAL SPECIFICATIONS

	28280	28281
Operating voltage:	230 V - 50 Hz 110-60 Hz other voltage on request	230 V - 50/60 Hz
Bottle capacity:	1 l	1 l
High vacuum:	low flow	high flow
Air flow:	15 l/min	22 l/min
Adjustable vacuum level:	0 ÷ -0.85 bar (0 ÷ -85 kPa)	
Weight:	2.5 kg	3.2 kg
Case material:	plastic	
Noise level:	55 dBA	55 dBA



## CARDIO 7: 12 CHANNEL RESTING ECG WITH TOUCH SCREEN

**SOFTWARE EKG VIEW PLUS**  
for data storage on PC



12 Channel  
simultaneous  
display

CE 0123

Convenient A4 size  
printouts allow  
easy chart  
filing



One touch operation  
(monitoring, recording mode)

33357

Rotary key  
access to all  
menus

- **33357 ECG CARDIO 7: 12 CHANNEL ECG WITH TOUCH SCREEN**
- 12 channel interpretive ECG
- over 130 kinds of interpretation results based on advanced Minnesota code
- memory for up to 120 patients
- real-time preview monitor
- PC compatible through LAN
- multi-language selectable software (English, Russian, French, German, Italian, Chinese, Spanish, Turkish, Polish, Romanian, Portuguese)
- lead fault message
- pace maker detection
- automatic arrhythmia detection
- 5 minute long term recording
- grid function allows you to use low cost plain fax paper
- wide and clear color TFT LCD (800x480)
- touch screen for easy operation
- adaptable UL (Portrait & Landscape mode)
- **32950 THERMAL PAPER A4 - box of 5 rolls**
- **29534 RECHARGEABLE BATTERY - spare**
- **29519 TROLLEY**
- **33328 ECG CABLE - spare**

### STANDARD ACCESSORIES

Patient cable - 10 leads	1 paper roll
LAN cable	4 limb electrodes
1 bottle of ECG cream (70 g)	6 chest limb electrodes
1 power cable	EKG View Plus (GB, IT)
manual (English, Italian)	

### TECHNICAL SPECIFICATIONS

ECG leads : 10 lead, 12 channel simultaneous ECG and acquisition  
 Dimension: 296(W) x 305.5(H) x 92.5(D)mm, approx. 3.5 kg  
 Recording channel: 3 channels + 1 rhythm, 3 channels + 3 rhythm, 6 channels + 1 rhythm, 12 channels, 60 seconds  
 1 channel, 5 minutes 1 channel and beat report  
 2.5, 5, 10, 20, auto(I-aVF: 10, V1-V6: 5) mm/mV  
 Sensitivity: 12.5, 25, 50 mm/s  
 Printing speed: 500 samples/sec  
 Sampling rate: AC (50/60 Hz, -20dB or better)  
 Filters: Muscle (25~35 Hz, -3dB or better)  
 Base line drift (0.1 Hz, -3dB or better)  
 Low pass filter: off, 40 Hz, 100 Hz, 150 Hz  
 Display: 7" color TFT LCD display (800x480), 12 channels  
 preview ECG wave  
 Monitor display: ID, date, sensitivity, speed, filter, form, rhythm lead  
 User interface: Touch screen (alphanumeric and symbol available),  
 Keyboard, rotary push-knob (pop-up menu)  
 Patient data: ID, name, age, sex, height, weight, smoke, race  
 Basic measurement: Heart rate, PR int, QRS dur, QT/QTc, P-R-T axis  
 Recorder: Thermal print head, roll paper  
 A4 report paper: 210x300 mm (8.5"x11")

### Electrical:

Resolution: vertical: 8 dot/mm  
 horizontal: 16 dot/mm  
 Internal noise: 20  $\mu$ V (p-p) max  
 Input circuit: floating input  
 Input impedance:  $\geq 10$  M $\Omega$   
 Input voltage range:  $\geq \pm 5$  mV  
 Common mode rejection:  $> 100$  dB  
 DC offset voltage:  $\geq \pm 300$  mV  
 Time constant: 3.2 sec  
 Patient leakage current:  $< 10$   $\mu$ A  
 Frequency response: 0.05 ~ 150 Hz  
 Isolated and defibrillation protected  
 Signal quality control: Disconnected lead detection  
 Pacemaker pulse detection  
 ECG data storage: storage for 120 ECGs (Internal on flash memory)  
 Power: AC 95~240 VAC, 50/60 Hz or built-in battery (option)  
 1.0~0.5 A, 60 W max  
 Battery (Ni-MH): 1 hour of normal use (approx. 100 ECG printouts)  
 Communication: PC connection with RS232 interface and LAN  
 Safety conformity: Class I, Type BF, CE, CSA, FDA, KFDA, SFDA, CCC

## AUDIOLITE DIAGNOSTIC AUDIOMETER

- **33680 AUDIOLITE DIAGNOSTIC AUDIOMETER - 1 channel**  
air + bone conduction + masking

**AudioLite, simply complete**

Complete diagnostic audiometer with air-bone-speech masking tests in a stylish design.

A top-quality portable product, lightweight and compact as small as an A4 sheet.

This audiometer is controlled by an internal microprocessor, and has no mechanical parts subject to wear and tear.

AudioLite's built-in display shows audiograms and the intensity and frequency parameters used in tests.

Attenuator and frequency knobs operate also as push-buttons to allow right/left commutation or to store threshold values.

Ergonomic research has developed a special touchscreen pulse tone switch to avoid any potential disturbing noise caused by mechanical parts. Supplied in a carrying case.  
 Manual in English, Italian and Spanish.

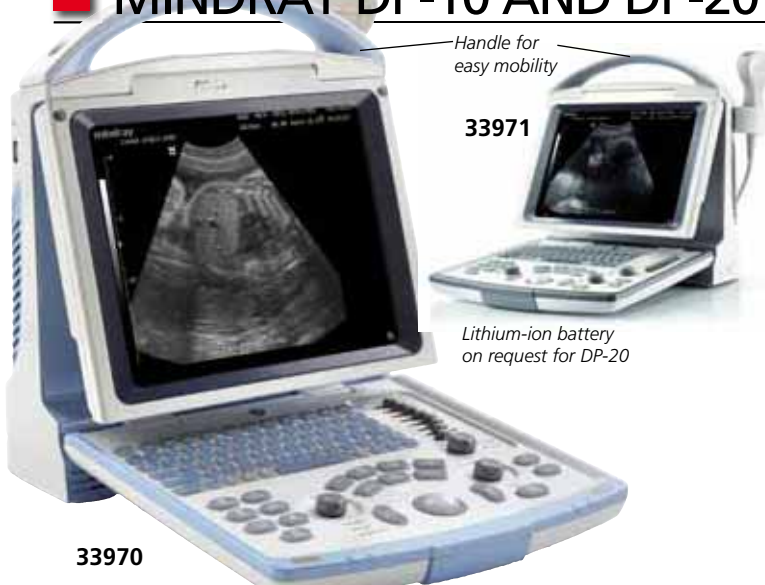


33680

### TECHNICAL SPECIFICATIONS

Tests	Air Conduction, Bone Conduction, contralateral Masking Nbn, Wn, Speech	Maximum output speech test	AC 95 dB HL - BC 60 dB HL
Transducer Air Conduction	TDH49 / ER -3A / ER-5A	Intensity range masking Wn	0 dB EM ... +80 dB EM
Transducer Bone Conduction	bone vibrator B.71	Signal mode	normal ON, normal OFF, pulsed (2.5 Hz, 50%, 200+200 mS), masking with tracking
Pure tone frequency	AC: 125 Hz - 8,000 Hz BC: 250 Hz - 6,000 Hz	External input	socket USB type A to connect pendrive, input CD external
Intensity range pure tone	AC: -10 dB HL ... +110 dB HL (1,000 Hz) BC: -10 dB HL ... +65 dB HL (1,000 Hz)	Norm	EN 60645-1, EN 60645-2
Intensity range masking Nbn	0 dB EM ... +80 dB EM		

## MINDRAY DP-10 AND DP-20 DIGITAL ULTRASOUND SYSTEM



33970

DIGITAL ULTRASONIC DIAGNOSTIC IMAGING SYSTEM														
33970	MINDRAY DP-10 B/W system with 1-probe connector, 12.1" high resolution LED monitor, 2 USB port, 1 VGA OUT port, 1 video OUT, 1 S-Video OUT, software, without probe													
33971	MINDRAY DP-20 portable B/W system with 1-probe connector, 12.1" high resolution LED monitor, 2 USB port, THI, iStation™, software package, without probe													
ACCESSORIES														
33974	Lithium-ion rechargeable battery (for DP-20 only)													
33985	Carrying bag for DP-10, DP-20, DP-30													
33986	UMT-110 mobile trolley for DP-10, DP-20, DP-30													
33967	SONY PRINTER UP-897 MD													
PROBES DP-10 - DP-20					FREQUENCY (MHZ)		● Main application							
GIMA code	Mindray code	Scanning method	Main freq.	Probe band width	ABDOMINAL	OB / GYN	UROLOGY	SMALL PARTS	CARDIOLOGY	MSK	VASCULAR	PEDIATRIC	ORTHOPEDICS	INTRAVASCULAR
33976	35C50EB	Convex	3.5	2.0 - 5.0	●	●	●					●		
33977	75L38EB	Linear	7.5	5.0 - 10.0	●			●			●	●	●	
33978	65C15EA	Convex	6.5	5.0 - 8.5	●				●			●		
33979	65EC10EB	Micro-convex	6.5	5.0 - 8.5		●	●							
33980	35C20EA	Micro-convex	3.5	2.0 - 5.0	●	●	●					●		
33983	75L53EA	Linear*	7.5	5.0 - 8.5	●			●			●	●	●	●
33981	75L60EA	Linear array*	7.5	5.0 - 10.0	●			●			●	●	●	●

\*For DP-20 only      \*\*For DP-10 only

## DP-10 slim and smart

Good image quality, easy to use and lightweight to take it anywhere. It combines fashionable design, diagnostic confidence and economy.

**DP-20 exceeds your expectations**

Smart portable B/W ultrasound system with advanced features

### Display modes and imaging processing:

Broadband, multi-frequency imaging: B, B/B, 4B, B/M, M

**Imaging processing:**

- multi-frequency probes for 2D imaging modes - DP-10 only
- Tissue Harmonic Imaging - DP-20 only
- TSI (Tissue Specific Imaging) - DP-20 only
- image zooming

## User interface

- alphanumeric QWERTY keyboard with backlight
- trackball: speed presettable
- 8-segment TGC
- user defined blank keys: shortcut for easy access to menus

**iStation™ intelligent workflow (DP-20 only)**

Intelligent patient data management system

- intelligent patient data management system
- integrated search engine for patient data
- detailed patient information review
- intelligent data backup/restore
- patient data/image sending, data deleting
- exam managing: activate exam

**Storage/review mode:**

- image archive on hard disk and USB mobile storage medium,
- temporary saving in cine memory (DP-10 only)
- 320G integrated hard disk (DP-20 only)
- 2 USB ports
- multiple image formats: BMP, JPG, DCM, FRM, AVI (DP-20 only), DCM, CIN
- iVision: demo player
- Cine review: auto, manual (auto review segment can be set), supports linked cine review for 2D, M images (DP-20 only)
- Cine memory capacity (max.)
- B mode: 1528 frames (DP-20), 128 frames (DP-10)
- M mode: 80.6 s (DP-20), 12.4 s (DP-10)

## TECHNICAL SPECIFICATIONS

Dimension and weight: 16x29xh 35.4 cm (6.3"x11.4"xh 13.9"); 5.5 kg  
Display: 12.1" LED, high-resolution 1024x768  
Display language: DP-10: GB DP-20: GB, FR, DE, IT, ES, PT, RU  
Power: AC100-240 V, 50-60 Hz  
Rechargeable lithium-ion battery  
(DP-20 only) - on request

# MINDRAY DP-50 DIGITAL ULTRASOUND DIAGNOSTIC SYSTEM



33973 + 33988

PROBES DP-50			FREQUENCY (MHz)		● Main application								
GIMA code	Mindray code	Scanning method	Main freq.	Probe band width	ABDOMINAL	OB / GYN	UROLOGY	SMALL PARTS	CARDIOLOGY	MSK	VASCULAR	PEDIATRIC	PROSTATE
33982	35C50EA	Convex	3.5	2.0 - 5.0	●	●	●					●	
33983	75L53EA	Linear	7.5	5.0 - 10.0	●			●		●	●	●	
33978	65C15EA	Convex	6.5	5.0 - 8.5	●				●			●	
33984	65EC10EA	Micro-convex	6.5	5.0 - 8.5		●							●
33990	10L24EA	Linear array	10.0	8.0 - 14	●	●				●	●	●	

- 33973 MINDRAY DP-50 PORTABLE ULTRASOUND with 15" high resolution LCD monitor, 2 probe connectors, 320G hard disk, 4 USB ports, multiple software package, without probes. Imaging mode: B, B/B, 4B, B/M, M

**Image processing technology:**

- Phase Shift Harmonic Imaging - Tissue Harmonic Imaging
- iBeam™ Spatial Compound Imaging
- iClear™ Adaptive Speckle Suppression Imaging
- iTouch™ Auto Optimization - Trapezoid imaging
- iZoom™ Automatically expand the image to full screen
- Slant scanning for linear probes (2D Steer)

**Wideband multifrequency probes:** continuously adjustable 2-14 MHz

**Intelligent Workflow/Storage/Review:**

- iStation™ Intelligent patient data management system
- 320G integrated hard disk for storage - 4 USB ports
- Cine memory capacity (Max.) B mode: 10566 frames

M mode: 66.3 s

- 33975 LITHIUM-ION RECHARGEABLE BATTERY for DP-50
- 33987 CARRYING BAG for DP-50
- 33988 UMT-150 TROLLEY for DP-50
- 33967 SONY PRINTER UP-897 MD

## TECHNICAL SPECIFICATIONS

**Size and weight:** 19x41.5xh 37.8 cm (7.5"x16.3"xh 14.9"); 7.7 kg (17 lb)  
**Display:** 15" LCD  
**Display language:** GB, FR, IT, ES, PT, RU, PL, CZ, TR, FI, DK, NO, SE, .....  
**Power:** AC 100-240 V - 50/60 Hz  
 rechargeable lithium-ion battery - on request



## SONOTOUCH™ 10.4" - TOUCH ULTRASOUND B/W OR COLOUR

- 33920 SONOTOUCH™ 10 - B/W
  - 33921 SONOTOUCH™ 20 - colour
- Lightweight, portable, small size, touchscreen ultrasound devices.

Main features:

- display mode: B, B/B, 4B, B/M, M and Colour mode (only 33921). In the M or B/M mode, 4 steps sweep speeds.
- multi-step display magnification, depth enhancement
- setting adjustment of total gain, and 8 segments of TGC slides for selection and adjustment
- multifocal firing focus, edge enhancement, frame averaging, compound
- image freezing and storage function, built-in 4 GB (33920), 16 GB (33921) high-speed memory and external USB memory disk can be connected to the system for mass storage through USB port. Stored images can be retrieved for analysis.
- 256 frames of real-time images can be stored in Cine-memory
- probe scanning direction can be changed and the image can be reversed in left/right, up/down direction
- measurements of distance, area, circumference, volume, OB etc. Automatic calculation of OB and cardiology. Direct display of gestation age, expected date of child delivery and direct measure of heart rate
- real-time clock displays date and time automatically
- display of body marks with corresponding probe position indication
- annotation function in image area of the screen. Special annotation terms for different exam-mode can be added according to user's requirement
- battery operated, battery life up to 2.5 hours



Button free screen and waterproof front panel

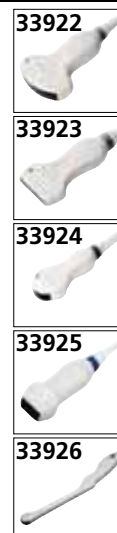
Select your applications from visual icons



Refine the image with easy, touch driven TGG, focus and depth

Take measure with your fingers, no trackball (accuracy 1 mm)

Adjustable angle stand converts into carrying handle



PROBES		FREQUENCY (MHz)		● Main application						
GIMA code	Scanning Method	Main freq.	Probe band width	ABDOMINAL	OB/GYN	UROLOGY	CARDIOLOGY	VASCULAR	SMALL PARTS	MSK
33922	CONVEX	3.5	2.5 - 5.0	●	●	●				
33923	LINEAR	7.5	5.0 - 10.0					●	●	●
33924	MICRO-CONVEX	3.0	2.5 - 5.0	●	●		●			
33925	PHASED ARRAY	3.0	2.5 - 4.0	●			●			
33926	TRANSVAGINAL	6.0	4.0 - 7.5		●	●				

## UP 7000 MULTI-PARAMETER PATIENT MONITOR



- 35145 MULTI-PARAMETER PATIENT MONITOR
- ECG, RESP, SpO<sub>2</sub>, 2 TEMP, PR

- 12.1" high resolution colour TFT display
- 3 channel ECG amplification
- arrhythmia analysis and ST segment analysis
- up to 800 groups parameter data & 24-hour ECG waveform storage and recall
- 480-hour graphic and tabular trends for all parameters
- 7 trace ECG waveforms simultaneous display
- protection against interference from defibrillator
- adult/pediatric measurement modes
- visual and audible alarms
- built-in rechargeable battery
- built-in thermal printer

GIMA code	ACCESSORIES AND SPARES
35135	Adult SpO <sub>2</sub> probe
35136	Pediatric SpO <sub>2</sub> probe
35137	ECG cable
35139	NIBP cuff - 25x35 cm - adult
35140	NIBP cuff - 10x19 cm - pediatric
35126	Lead acid rechargeable battery - spare
35141	Paper 5.1 cm x 12 m - box of 5
35150	Trolley - adjustable 73 to 113 cm



STANDARD ACCESSORIES		
- Adult SpO <sub>2</sub> probe	- Re-chargeable battery	- Disposable electrode
- NIBP adult cuff	- Printer	- Dust-protective mantle
- Temperature probe	- Power supply cable	- Manual (English, Italian)
- ECG cable		

TECHNICAL SPECIFICATIONS			
<b>NIBP Monitoring</b>			
Measuring method:	Oscillometric		
Measuring range:	Systolic pressure:	Diastolic pressure:	Mean arterial pressure:
adult:	40~255mmHg	10~220mmHg	20~215mmHg
pediatric:	40~200mmHg	10~110mmHg	20~165mmHg
<b>TEMP Monitoring</b>			
Measuring range:	25.0°C~45.0°C ±0.2°C		
Response time:	≤ 150 sec		
<b>SpO<sub>2</sub> &amp; Pulse Rate Monitoring</b>			
SpO <sub>2</sub> measuring range:	35%~100%		
PR measuring range:	30bpm~240bpm	±2bpm	
<b>ECG Monitoring</b>			
Heart rate measurement:	±0.4mVp~±5mVp		
Heart rate display range:	20bpm~250bpm		
<b>RESP Monitoring</b>			
Measuring method:	Thoracic impedance		
Monitoring range	0rpm~120rpm,		
Monitoring accuracy:	±5% or ±2rpm whichever is greater		
<b>Other Technical Specifications</b>			
Power supply	100~250Vac, 50/60Hz		
Power consumption:	<80 VA		
Display mode	12.1 inches TFT color LCD		
Alarming mode	Audible-visual alarm		
Networking por	Ethernet port		

## PORTABLE USB VIDEOTOSCOPE + SOFTWARE

- 72560 VIDEOTOSCOPE + SOFTWARE
  - 72570 KLEENSPEC® DISPOSABLE EAR SPECULUM Ø 3 mm - box of 100 (4 pouches of 25)
  - 72571 KLEENSPEC® DISPOSABLE EAR SPECULUM Ø 4 mm - box of 100 (4 pouches of 25)
- Pocket USB videotoscope suitable to capture photograph, video or time-lapsed video with a click of a button. Save file format in jpg, bpm or avi. Multilanguage manual: English, Italian, Spanish, French, German.

### TECHNICAL SPECIFICATIONS

Resolution: 1.3 M pixels  
Adjustable Magnification: 55 X - 90 X  
Illumination: built in 8 white LED (ON/OFF controlled by software)  
Frame rate: up to 30fps, at 1.3 M pixel  
Interface: USB (PC) 2.0  
Polarized: ON/OFF  
DinoCapture multilanguage software (English, Italian, Spanish, French, Greek, Portuguese, German, Arabic, Chinese, Romanian, Polish, Japanese, Swedish, Thai)  
Size: 10x Ø 3.2 cm - Weight: 95 g



Supplied with 150 speculum:  
50 each size Ø 3mm, Ø 4mm,  
Ø 5mm

CE 0068

### PRODUCT REQUIREMENT

Compatible with Windows 2000/XP, Vista, Win7 and MAC X computers (10.4 or further)  
256MB RAM  
CD-ROM drive  
Hi-speed USB 2.0 port

## WELCH ALLYN MACROVIEW™ OTOSCOPE

- 32100 MACROVIEW™ HEAD - 23818
- 32101 LITHIUM ION HANDLE WITH AC CHARGING MODULE 3.5 V - 71902

This next-generation otoscope features advanced optics that increase magnification while giving you nearly a full view of the tympanic membrane - virtually eliminating the need for panning. What's more, with its easy-to-focus eyepiece, the MacroView allows for enhanced visualisation to help you to see past wax, locate fluid behind the eardrum, and even perform exams without your glasses.

- twice the field of view
- 30% greater magnification than a traditional otoscope
- nearly a full view of the tympanic membrane
- better clarity and definition of landmarks
- ability to adjust focus for variable ear canal lengths or farsighted eyes
- 32106 KLEENSPEC® ADULT DISPOSABLE EAR SPECULA 4.25 mm - box of 850 pcs - 52434-UB
- 32105 KLEENSPEC® PEDIATRIC DISPOSABLE EAR SPECULA 2.75 mm - box of 850 pcs - 52432-UB
- 32135 SPARE HALOGEN BULB - 3.5 V - 06500 U

**Adjustable focus wheel** allows you to accommodate for variable ear canal lengths and your farsighted eyes allowing a full view of the tympanic membrane

**Tip grip** ensures ear specula is fastened securely and easily disposed

**Default focus position** (the dot and the line)

**Advanced optics** give you 2 X the field of view and 30% greater magnification than a conventional otoscope

**Insufflation port** for pneumatic otoscopy

32100

WelchAllyn®



32101



**Lithium-ion handle with AC charger module** compatible with all Welch Allyn instrument head 3.5 V

## WELCH ALLYN PANOPTIC™ OPHTHALMOSCOPE

- 32110 PANOPTIC OPHTHALMOSCOPE HEAD - 11810
- 32101 LITHIUM ION HANDLE WITH AC CHARGING MODULE 3.5 V - 71902

PanOptic is a breakthrough concept in ophthalmoscopy. Thanks to an innovative, optical design known as Axial PointSource™ Optics, it will greatly enhance your funduscopy examinations.

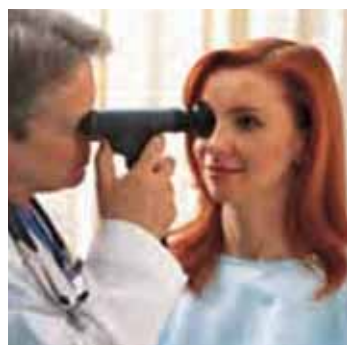
- fast easy entry into small, undilated pupils
- 5 X larger field of view than you see with standard ophthalmoscopes in an undilated eye
- 25° field of view versus the 5° field of view of standard ophthalmoscopes
- a 26% increase in magnification, making it easier to see retinal details
- greater distance between practitioner and patient means greater comfort for all
- 32127 SPARE HALOGEN BULB - 3800 U

### FIELD OF VIEW



Larger view of the fundus

5X



**Patented Axial PointSource™ Optics:** makes it easy to enter undilated pupils, and provides a 25° field of view, resulting in a view of the fundus that's 5 X greater than you see with a standard ophthalmoscope in an undilated eye

**Halogen HPX™ Lamp:** provides whiter, brighter light

**Glare Extinguishment System:** prevents interference from unwanted glare and reflections

**Welch Allyn 3.5v Power Sources:** compatible with any standard 3.5 V power source including: desk charger handles, convertible battery handles, wall transformers and the Lithium Ion Power Handle



**Patient Eyecup:** establishes and maintains proper viewing distance, provides image stability, serves as a pivoting point for panning around the retina, helps with orientation, and screens out ambient light. The eyecup is cleanable and reusable

**PanOptic Soft Grip:** ergonomically designed for maximum comfort, balance, and access to controls.

**Aperture Dial:** allows you to select micro, small, and large spot sizes. Also includes red-free filter and slit aperture, half-moon aperture for corneal exams

**Dynamic Focusing Wheel:** adjusts the focus in a continuous, smooth action for more precise control and optimum view. Available focusing range is -20 to +20 diopters

WelchAllyn®



## MD SCOPE VIDEO OTOSCOPE

### MD SCOPE VIDEO OTOSCOPE

#### Instant View

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

#### Real Time Interaction

The medical image can be captured and shared simultaneously with patients. A true improved interaction between the health professionals and the 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.



32160



32162

- **32160 ELITE PACK**  
MD Scope with
- 1 camera probe 45 mm
- RCA video cable
- 24 disposable specula
- 2 AA alkaline battery

Detachable camera modules are designed for different examinations as needed

32165 32167 32168 32169

- **32162 DELUXE ZIPPER PACK**  
MD Scope with
- 4 camera probes 45/75/150/300 mm
- image dongle
- cable set
- 24 disposable specula
- 2 AA alkaline battery

A video port provides simultaneous image to display on TV/monitor or to download to Mac/PC system



2.4" colour LCD display

Video out port

Image freeze function

Lightweight: 218 g

Battery lifespan: 4 hours

Size: 8x20 cm (2.5"x8")

CE  
FDA  
US pat. n° 8206290

GIMA code	ACCESSORIES AND SPARE PARTS
32165	Camera probe 45 x Ø 5.2 mm
32166	Camera probe 45 x Ø 4.2 mm
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 Ø 5.2 mm for 32165 - box of 250
32173	Reusable silicone specula Ø 4.2 mm for 32166 - box of 24

## WELCH ALLYN® DURA SHOCK™ DS55 SPHYGMOMANOMETER

10 years calibration warranty



Laser engraved dial

Shock resistant body

**WelchAllyn®**

### • 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.

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

Professional diagnostic sets with fiber optic illumination system, Xenon halogen light 3.5 V, rheostat to adjust the intensity of light. Powered by rechargeable Li-ion batteries. All products are made of impact resistant re-inforced plastic and durable easy locking system for hospital long term use. Supplied in deluxe case with charging station and rechargeable Li-ion battery.

- 31535 SIGMA PLUS F.O. XENON OTOSCOPE - 3.5 V
- 31536 SIGMA PLUS F.O. XENON OPHTHALMOSCOPE - 3.5 V
- 31538 SIGMA PLUS F.O. XENON OTO-OPHTHALMOSCOPE - 3.5 V
- 31539 SIGMA PLUS F.O. XENON DIAGNOSTIC SET - 3.5 V
- 31543 OPHTHALMOSCOPE BULB - spare
- 31541 LI-ION RECHARGEABLE BATTERY - spare
- 31542 ZOOM CHARGING STATION - spare



Micro spot Small Large Fixation Slit Red-free filter



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



**F.O. Xenon otoscope set 3.5 V**  
F.O. otoscope head, battery handle with bayonet lock, 1 set of 5 reusable eartips (2.5, 3.5, 4.5, 5.5 & 9.0 mm), tube of 14 disposable eartips (2.5 & 4.0 mm) in a rigid case

31541



**F.O. Xenon ophthalmoscope set 3.5 V**  
F.O. ophthalmoscope head, battery handle with bayonet lock, in

31542

Swivel type window with 3X magnification for sharp images and minimal reflection



Durable easy locking system

Rheostat

31535

6 apertures to select from:

- Micro spot aperture
- Small aperture
- Large aperture
- Fixation aperture
- Slit
- Red-free filter



Enhanced Xenon super bright light

31536



31538

**F.O. Xenon oto/ophthalmo set 3.5 V**  
F.O. otoscope head, F.O.

ophthalmoscope head, two battery handle with bayonet lock, nasal illuminator with F.O. light, 1 set of 5 reusable eartips (2.5, 3.5, 4.5, 5.5 & 9.0 mm), tube of 14 disposable eartips (2.5 & 4.0 mm), spare oto and ophthalmo bulbs in a rigid case.



31539

**F.O. Xenon ENT diagnostic set 3.5 V**

F.O. otoscope head, F.O. ophthalmoscope head, battery handle with bayonet lock, nasal illuminator with F.O. light, curved illuminator with halogen bulb, plain mirror 20.0 mm, plastic tongue depressor, 1 set of 5 reusable eartips (2.5, 3.5, 4.5, 5.5 & 9.0 mm), tube of 14 disposable eartips (2.5 & 4.0 mm), spare oto and ophthalmo bulbs, in a rigid case.

## PC-8000 PRO HOSPITAL FOETAL MONITOR

- 29550 PC-8000 PRO SINGLE FOETAL MONITOR
- 29551 PC-8000 PRO TWINS FOETAL MONITOR

Maternal foetal monitor suitable for hospital use.

Main features:

- 12.1" High-brightness TFT display (800x600 pixel)
- parameters: ECG, SpO<sub>2</sub>, NIBP, TEMP, RESP, PR, FHR, TOCO & FM
- rotatable screen viewed from different directions and 5 different styles of operation display
- equipped with reliable, high sensitivity, 12-element pulse doppler transducer
- FHR and TOCO trend review
- store and view of 48-hour monitoring data
- built-in Linux operation system
- built-in high-speed thermal printer
- internal rechargeable Li-ion battery
- visual and audible alarms
- internal software in English



STANDARD ACCESSORIES			
Ultrasonic probe	1	Blood oxygen probe	1
Uterine contraction probe	1	Body temperature probe	1
Fetal movement probe	1	Power cable	1
Abdominal belt	2	Grounding wire	1
Ultrasonic coupling gel	1	Disposable electrode	10
ECG cable	1	User Manual (English, Italian)	1
Blood pressure cuff	1		

GIMA code	PC 8000 PRO ACCESSORIES
29552	Doppler ultrasound transducer - spare
29553	UC/TOCO transducer - spare
29554	Foetal movement probe - spare
29555	Abdominal belt - spare
29556	Z-fold paper 112x110 mm for code 29550
29557	Z-fold paper 210x100 mm for code 29551



## GIMA F.O. XENON/HALOGEN AND LED LARYNGOSCOPE SETS



**GIMA F.O. XENON/HALOGEN AND LED SETS**

- Mc Intosh or Miller blades
- Gima Green F.O. blades with detachable fiber or Maxlite F.O. blades with integrated fiber
- Xenon/Halogen or LED F.O. rechargeable battery handle
- 2.5 V or 3.5 V rechargeable battery handle (battery not included). 2.5 V rechargeable battery handle can be used with standard or rechargeable batteries. Rechargeable battery handles should be used with charging station 31542 (not included).

### LARYNGOSCOPE SET WITH F.O. BLADES

GIMA code	GIMA GREEN F.O. XENON/HALOGEN SET - 2.5 V	
34451	Pediatric set	2 blades Miller 0-1
34454	Pediatric set	3 blades Miller 0-1, Mc. Intosh 0
34452	Adult set	3 blades Mc. Intosh 2-3-4
34453	Adult set	4 blades Mc. Intosh 1-2-3-4
34455	Doctor set	3 blades Miller 1-2-3
34485	Halogen bulb 2.5 V (minimum order 6 pcs)	
34478	Pediatric re-chargeable NimH battery 2.5 V 1,600 mAh	
34479	Adult rechargeable NimH battery 2.5 V 3,000 mAh	
GIMA code	GIMA GREEN F.O. LED SET - 2.5 V OR 3.5 V	
34328	Adult set	4 blades Mc. Intosh 1-2-3-4 - 2.5V
34329	Adult set	3 blades Mc. Intosh 2-3-4 - 3.5 V
34330	Adult set	4 blades Mc. Intosh 1-2-3-4 - 3.5 V
34479	Adult rechargeable NimH battery 2.5 V 3,000 mAh	
34459	Adult rechargeable NimH battery 3.5 V 1,300 mAh	
31541	Adult rechargeable Li-ion battery 3.5 V	

### MAXLITE F.O. BLADE WITH INTEGRATED FIBER

Built with an integrated F.O. bundle with no cavities to trap dirt or body fluids, this allowing the blade to be easily cleaned and decontaminated.



**GIMA GREEN F.O. BLADE**

### TECHNICAL SPECIFICATIONS - BLADES

	Gima Green F.O. blade	Maxlite F.O. blade
Fiber light carrier:	detachable	integrated
F.O. bundle Ø:	4.0 mm	4.5 mm
Individual fiber strands:	> 5,500	> 6,500
Light transmission with 2.5 V:	4,200 lux	6,000 lux
Light transmission with 3.5 V:	12,500 lux	13,000 lux
Autoclavable at 134 °C:	4,000 times	4,000 times

### LARYNGO SET WITH F.O. BLADES WITH INTEGRATED FIBER

GIMA code	MAXLITE F.O. XENON/HALOGEN SET - 2.5 V	
34332	Pediatric set	3 blades Miller 00-0-1
34333	Adult set	3 blades Mc. Intosh 1-2-3
34334	Adult set	4 blades Mc. Intosh 1-2-3-4
34485	Halogen bulb 2.5 V (minimum order 6 pcs)	
34478	Pediatric re-chargeable NimH battery 2.5 V 1,600 mAh	
34479	Adult re-chargeable NimH battery 2.5 V 3,000 mAh	
GIMA code	MAXLITE F.O. LED SET - 2.5 V or 3.5 V	
34336	Pediatric set	3 blades Miller 00-0-1 - 2.5 V
34337	Adult set	4 blades Mc. Intosh 1-2-3-4 - 2.5 V
34338	Adult set	4 blades Mc. Intosh 1-2-3-4 - 3.5 V
34478	Pediatric rechargeable NimH battery 2.5 V 1,600 mAh	
34479	Adult rechargeable NimH battery 2.5 V 3,000 mAh	
34459	Adult rechargeable NimH battery 3.5 V 1,300 mAh	
31541	Adult rechargeable Li-ion battery 3.5 V	

## FLEXTIP F.O. XENON/HALOGEN AND LED SETS FOR DIFFICULT INTUBATIONS

### F.O. SET FOR DIFFICULT INTUBATION

Deluxe boxed set including one F.O. re-chargeable handle, one or two F.O. McIntosh blades N° 3 or N° 3 and 4, for difficult intubations and bulb. The movable blade tip facilitates lifting of the epiglottis and enables a perfect visibility at the intubation process even in case of difficult anatomical conditions. A better visibility and a lower lever force reduce the risk of injury of the larynx and the teeth.

Autoclavable to 134° C.

- stainless steel construction, matt finish
- can be used with all Green Spec Handles
- compatible to ISO 7376 Green Standards
- channel provides improved viewing area
- 4.0 mm fiber bundles (GimaGreen) or 4.5 mm fiber bundle (Maxlite) for maximum light output



GIMA code	FLEXTIP F.O. SET - 2.5 V	
34492	GIMA GREEN FLEXI F.O. SET 1 blade Mc-Intosh 3	
34495	GIMA GREEN FLEXI F.O. SET 2 blades Mc-Intosh 3-4	
34498	MAXLITE F.O. LED FLEXI SET 2 blades Mc-Intosh 3-4 with integrated fiber	

GIMA code	ACCESSORIES AND SPARES	
34493	FLEXI F.O. BLADE N° 3 Mc-Intosh (130x105 mm)	
34494	FLEXI F.O. BLADE N° 4 Mc-Intosh (155x130 mm)	
34485	Bulb 2.5 V - spare	
34479	Rechargeable NimH battery 2.5 V / 3000 mAh	
31542	Charging station 100-240 V	

## NONIN GO2 OXIMETER



Back light display  
2400 tests performed with one AAA battery (21 hours continued use)



CE 0123

- 35079 NONIN GO2 - 9570 - IT, FR, DE, NL
- 35080 NONIN GO2 - 9570 - GB, FR, ES, PT

GO2 are manufactured to the same technical specifications and technology used in NONIN professional

oximeters, but are dedicated to consumers for people suffering from shortness of breath, fatigue or limited activities.

- highly resistant: it is tested to resist 25 times to fall down from 1 meter, to liquids and to continuative use
- patient oriented display
- finger size range from pediatrics to adult
- easy to read perfusion indicator
- suitable for low perfusion patient

Other manuals for download: GR, PL, DK, NO, SE, FI.

### TECHNICAL SPECIFICATIONS

Saturation range: 0-100%  $\pm 2$  digit (70-100%)  
Pulse rate range: 18-321 bpm  $\pm 3$  digit (20-250 bpm)

## NONIN ONYX® VANTAGE 9590



Large Bright LED Display  
SpO<sub>2</sub> and pulse rate can be read from any angle, day or night



The original all-in one digital fingertip pulse oximeter™

Lead (PB) free and latex free



CE 0123

### • 35085 NONIN ONYX® VANTAGE 9590 PULSE OXIMETER

The Onyx is the only finger pulse oximeter with scientifically proven accuracy in motion and low perfusion, and it is tested for use on fingers, thumbs, or toes.

- **Accurate** - Scientifically proven performance in the widest range of patient populations and settings
  - **Durable** - Protects against dropping and water spills; allows for thousands of uses in the most demanding environments and exceed IP32 water ingress testing
  - **Efficient** - Up to 6000 spot checks or 36 hours of continual operation on two AAA batteries
  - **Safe** - Built in the USA with lead-free and latex-free construction
  - **Versatile** - One unit works on the widest range of patients from pediatric to larger adult patients. Accommodates a wide range of digit thicknesses from 8 mm to 25.4 mm
  - **Warranted** - Industry-leading 4-year warranty
  - **Cost Effective** - Proven accuracy, quality and durability make the Onyx Vantage a smart purchase for the long term
- Supplied with multilanguage CD-ROM manual: GB, FR, IT, DE, ES, PT, GR, NL, PL, NO, FI, DK, SE.

### TECHNICAL SPECIFICATIONS

Pulse rate range:	18-321 bpm	$\pm 3$ digit (20-250 bpm)
SpO <sub>2</sub> range:	0-100%	$\pm 2$ digit (70-100%)
Low perfusion SpO <sub>2</sub> :	70-100%	$\pm 2$ digit
Low perfusion pulse rate:	40-240 bpm	$\pm 3$ digit

## OXY-3 OXIMETER

DUAL COLOUR  
OLED DISPLAY



35090



### • 35090 OXY-3 OXIMETER

Easy to use pocket device, measures oxygen level and pulse rate.

Main features:

- simple operation, small & lightweight design, portable
- low power consumption
- display SpO<sub>2</sub>, SpO<sub>2</sub> waveform, PR, Pulse bar
- 2 AAA alkaline batteries included
- low battery indication, auto power off
- accommodates widest range of finger sizes from pediatric to adult
- soft silicone padding, strong slip
- resistant clip, non-invasive, no pricking
- 4 direction display
- packed in blister
- user manual in English, Italian, Spanish, French

## OXY-10 OXIMETER - WIRELESS

CE 0123



OLED  
COLOUR  
DISPLAY



### • 35095 OXY-10 FINGERTIP MULTIFUNCTION OXIMETER

Professional oximeter to monitor pulse oxygen saturation and pulse rate through patient's finger (adult, child, neonate).

- wireless Bluetooth technology, with effective transmission to PC Windows (XP and Seven)
- external pediatric SpO<sub>2</sub> probes available in 3 sizes for pediatric and neonatal use
- large true colour OLED display
- SpO<sub>2</sub>, PR, Pulse bar, P.I. and plethysmogram
- audible and visible alarms with high and low alarm limits adjustable by user

- patient oriented display with automatic change of 4 directions
- accuracy from the first reading in a few seconds
- extra stability against motion during measurement

- 9 languages manual (English, French, Italian, German, Spanish, Greek, Portuguese, Polish, Arabic)

Supplied in nylon bag with batteries

- 35096 PEDIATRIC CLIP PROBE - reusable
- 35097 PEDIATRIC RUBBER PROBE - reusable
- 35098 NEONATAL PROBE - disposable

### TECHNICAL SPECIFICATIONS

	RANGE	ACCURACY
Pulse rate:	30-240 bpm	$\pm 2$ bpm or 2%
SpO <sub>2</sub> :	70%-100%	$\pm 3\%$
Perfusion index (PI):	0.2-20%	
Alarm: SpO <sub>2</sub> : 85-99%		
Pulse rate: high	100-240 bpm	
low	30-60 bpm	
Power:	2xLR03 (AAA) Alkaline batteries 3.0 VDC	
Size:	60x33x30 mm	
Weight:	35 g	

### EXTERNAL PEDIATRIC - NEONATAL PROBES

35098

Neonatal disposable probe



35096

Pediatric clip reusable probe



35097

Pediatric rubber reusable probe

External pediatric SpO<sub>2</sub> probes with 1 m cable

35096



# PRIMEDIC™ DefiMonitor XD - PROFESSIONAL DEFIBRILLATORS

## DEFIMONITOR XD

The sophisticated high performance instrument with multifunctional features.

It combines a compact product design, proved and tested in practice with the highest possible degree of safety and user friendly handling.

Range of 8 manual (XD1, XD3, XD10, XD30) or manual + AED (XD100, XD300, XD110, XD330) defibrillators with or without SpO<sub>2</sub> and external pacer.

Supplied with adult/pediatric paddles, disposable adult Save Pads, connect cable, ECG cable, power cable, 1 tube gel, 1 paper roll.

Standard software: GB, FR, DE, IT, ES, PT, TR, CN.

Manual: GB, IT (on request DE, ES, PT, FR, TR, CN).

Other softwares and manuals available on request: CZ, FI, HU, RO, NL, NO, PL, RU, SE, SL, AE, BR, CN, IR, JP, KR, TH, US.



Made in Germany

Size:  
25x28x9 cm

GIMA code	DefiMonitors XD
35370	DefiMonitor XD1 manual
35371	DefiMonitor XD3 manual with SpO <sub>2</sub>
35372	DefiMonitor XD10 manual with pacer
35373	DefiMonitor XD30 manual with SpO <sub>2</sub> + pacer
35374	DefiMonitor XD100 manual + AED
35375	DefiMonitor XD300 manual + AED with SpO <sub>2</sub>
35376	DefiMonitor XD110 manual + AED with pacer
35377	DefiMonitor XD330 manual + AED with SpO <sub>2</sub> + pacer

GIMA code	Accessories for DefiMonitors
35380	SAVE PADS GB, IT, ES (require connecting cable 35384)
35383	SAVE PADS other languages (require connecting cable 35384)
35384	Connect cable for SAVE PADS 35380/3 - spare
33400	AKuPak LITE rechargeable battery
35386	Charge base for 33400 for DefiMonitor XD
35387	Paper roll 58 mm x25 m - box of 10
35388	DefiMonitor carrying bag with shoulder strap

## TECHNICAL SPECIFICATIONS

	XD1	XD3	XD10	XD30	XD100	XD300	XD110	XD330
<b>Defibrillation</b>								
Wave: biphasic, current controlled impulse	•	•	•	•	•	•	•	•
Energy (automatic mode) 140-360 J	•	•	•	•	•	•	•	•
Manual energy stages:	•	•	•	•	•	•	•	•
5J, 10J, 20J, 30J, 50J, 100J, 200J, 300J, 360J	•	•	•	•	•	•	•	•
Charging time: < 6 sec for 200 J	•	•	•	•	•	•	•	•
Cardio version: manual activation, QRS marker	•	•	•	•	•	•	•	•
<b>ECG</b>								
Derivation: Eindhoven I, II, III	•	•	•	•	•	•	•	•
Goldberger, aVR, aVF, aVL	•	•	•	•	•	•	•	•
Patient's resistance: 23-200 Ohm	•	•	•	•	•	•	•	•
Heart rate: 30-300 per min	•	•	•	•	•	•	•	•
<b>VF: recognition</b>								
VF recognition	•	•	•	•	•	•	•	•
Analysis time 7-12 sec	•	•	•	•	•	•	•	•
VF threshold 200 µV	•	•	•	•	•	•	•	•
Asystole threshold < 200 µV	•	•	•	•	•	•	•	•
Artefact, Pacemaker detection	•	•	•	•	•	•	•	•
<b>Pulse Oximeter</b>								
Nellcor Oximax	•	•	•	•	•	•	•	•
<b>Pacer</b>								
Transthoracic heart pacemaker	•	•	•	•	•	•	•	•
Modes: fix, demand, overdrive	•	•	•	•	•	•	•	•
<b>Thermal printer</b>								
Resolution: 200 dpi	•	•	•	•	•	•	•	•
Advance: 25 mm/s, 50 mm/s	•	•	•	•	•	•	•	•
<b>TFT LCD blue-mode monitor</b>								
115x86 mm (diagonal 4.7"/120 mm)	•	•	•	•	•	•	•	•
320x240 pixels	•	•	•	•	•	•	•	•
<b>Electrodes</b>								
Adhesive electrodes, 3 years shelf life	•	•	•	•	•	•	•	•
Cable length 3.5 m Save pads connect	•	•	•	•	•	•	•	•
<b>Data backup</b>								
Removable memory 512 MB	•	•	•	•	•	•	•	•
Data/Voice recording > 90 h	•	•	•	•	•	•	•	•
Data/Voice recording > 75 h	•	•	•	•	•	•	•	•
<b>Power supply</b>								
Voltage 90-264 V, 50/60 Hz	•	•	•	•	•	•	•	•
<b>Rechargeable Lithium-ion battery (LiFePO<sub>4</sub>):</b>								
Capacity 2.5 Ah Voltage: 14.4 V	•	•	•	•	•	•	•	•
Discharges 150-200 J	•	•	•	•	•	•	•	•
Monitoring 5 h	•	•	•	•	•	•	•	•
Charging time: 2.5 h	•	•	•	•	•	•	•	•
<b>Resuscitation guidelines</b>								
Selectable AHA/ERC	•	•	•	•	•	•	•	•
<b>Standards</b>								
IEC60601-1:1988+A1:1991+A2:1995	•	•	•	•	•	•	•	•
(Electrical Safety of Med. Electrical Devices)	•	•	•	•	•	•	•	•
IEC60601-1-2:2001 (Electromagnetic compatibility)	•	•	•	•	•	•	•	•
IEC60601-1-4:1996+A1:1999	•	•	•	•	•	•	•	•
(Programmable electrical medical systems)	•	•	•	•	•	•	•	•
IEC60601-2-4:2002 (Defibrillators)	•	•	•	•	•	•	•	•
EN1789:2003 (Ambulance standard)	•	•	•	•	•	•	•	•
Protection class IP33	•	•	•	•	•	•	•	•

# PALM SAT® 2500A NONIN PULSE OXIMETER

• 35086 PALM SAT 2500®A PULSE OXIMETER with rubber reusable adult probe and alarm.

A compact versatile and reliable pulsoximeter designed and tested to exceed all durability requirements.

Main features:

- PureSat® technology offers accuracy & speed in getting a reading, even with varying skin pigmentations or polish and is able to monitor, with declared accuracy in challenging conditions, such as motion & low perfusion, for all patients
- it is tested to assure performance in challenging conditions, such as drop and liquid ingress (IPX2). Granted by US Army/Air Force Aeromedical certification

It also features:

- audible and visual alarms
- 72 hours memory
- longest alkaline battery life: 60 hours or rechargeable battery for 40 hours

Supplied with multilanguage cd-rom manual:

GB, FR, IT, DE, ES, PT, GR, NL, PL, NO, FI, DK, SE.



Bright LED display of SpO<sub>2</sub> and pulse rate

Audible and visible alarms

Tricolour signal quality indicator

Easy 2 button operation

Blinking alarm silence indicator  
Low battery indicator

Rugged rubberized case with IPX 2 level of liquid ingress protection



35086

TECHNICAL SPECIFICATIONS	
SpO <sub>2</sub> range:	0% to 100% ±2 (70-100% without movement)
Pulse rate range:	18 to 321 bpm ±3 (18-300% without movement)
Power:	4AA alkaline batteries 1.5 V (for 60 hours use) optional NiMH rechargeable battery (for 40 hours use)
Size:	7x13.8x3.2 cm
Weight:	213 g
ACCESSORIES SAT 2500	
35087	Adult reusable rubber probe (12.5-25.5 mm) - 1 m cable
35088	Pediatric reusable rubber probe (10-19 mm) - 1 m cable
35089	Charger stand with NiMH battery pack, plug kit
35082	VISION software for data management (GB)
35083	Adaptor for USB - PC connection



## ■ iPad CU-SP1 INTELLIGENT PUBLIC ACCESS DEFIBRILLATOR

CU-SP1 is the last generation of intelligent public access defibrillators with innovative features:

### - Auto volume adjustment

It detects the ambient noise and automatically adjusts the volume of its prompts to make them audible over the background noise.

### - Smart pads - intelligent storage

The pre-connected "Smart" electrode pads are stored in an easy access compartment on the underside of the unit.

This ensures that the iPad SP1 is always ready to be used in the shortest time possible. In addition, the visual frontal indicator shows if the connected pads are within their life expectancy.

The indicator will change when the pads have only 3 months life left before their expiry date giving you time to arrange for replacements. The indicator will change again when the expiry date is reached.

### - CPR detection

CPR is vital to ensure that the casualty has the best chances of survival.

The iPad CU-SP1 detects if CPR is being performed with appropriate prompts, if not encourages the responder to perform it.

### - Easy communication with CU-EX1 software

Installing CU-EX1 software onto a computer allows you to see and analyze the usage history of the unit. Information such as time of "power on", the casualty's heart rhythm and shocks delivered are all clearly presented.

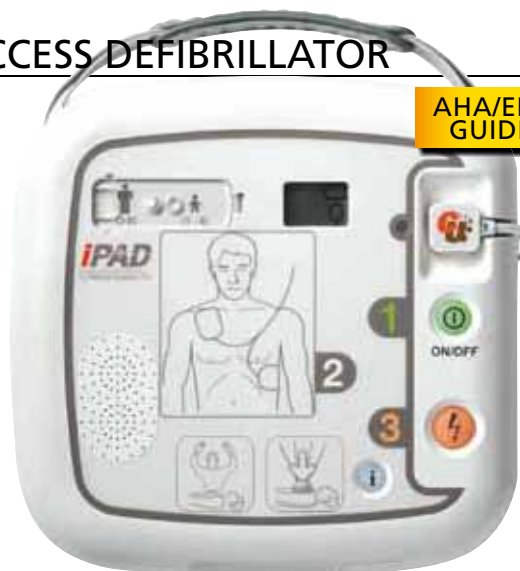
The iPad CU-SP1 can store up to 5 events with up to 3 hours of ECG analysis on an SD memory card.

### - 16 languages available (to be indicated with order)

Selectable languages: US, GB, FR, IT, ES, DE, PT, NL, SE, DK, NO, CZ, GR, AE, KR, IL.

Supplied with adult SAVE PADS, carrying bag, disposable lithium battery pack and manual (GB, IT).

Manual available also in above languages, if requested with order.



### TECHNICAL SPECIFICATIONS

#### Defibrillator

Operating mode: Semi-automatic  
Waveform: e-cube biphasic (Truncated exponential type)  
Energy: 150J fixed

Adult: nominal 150J at 50 ohm load  
Infant/child: nominal 50 joules at 50 ohm  
Charge control: controlled by automated patient analysis system  
Charging time: within 10 seconds since voice instruction "an electric shock is needed"

Sealing: waterjet proof IPX5 per IEC60529 (IP55)  
dust protected IP5X per IEC60529

#### User interface

User support: detailed voice prompts and flashing indicators  
CPR guidance: voice prompts for how to perform CPR for adult and child  
Controls: on/off button, "i" button, shock button  
Indicator: LCD display (Device status, Battery status, Pads status)  
Sensing: pads expiry date, Pads connection status

#### CPR Monitoring

Automatic Volume adjustment

#### Data recording and transmission

IrDA port: wireless transmission of event data to PC, SD Card  
Internal Memory (Nand-flash): ECG, Event  
Storage capacity: multi recording 5 events / Max 3 hours  
Data review PC Programme: CU-EX1

#### Patient analysis system

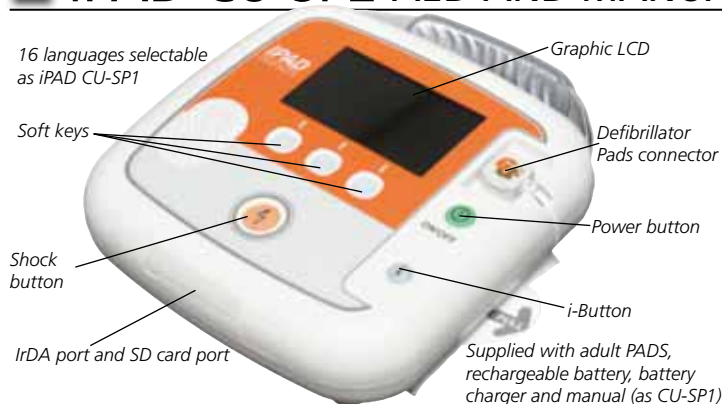
Patient Analysis: Shockable Rhythms - Ventricular Fibrillation, Tachycardia  
Sensitivity/Specificity Meets AAMI DF80 Guideline

#### Disposable high capacity battery

Standard Type: DC 12 Volt 4.2 Ah, Lithium manganese dioxide  
Capacity: Minimum 200 shocks (150J)

GIMA code	iPAD CU-SP1 DEFIBRILLATOR
35340	iPad CU-SP1 defibrillator
ACCESSORIES FOR CU-SP1	
35344	Adult PADS - kit of 2 pcs - disposable
35345	Pediatric PADS - kit of 2 pcs - disposable
35346	Disposable lithium battery LiMnO <sub>2</sub> high capacity 4.2 Ah
33423	Wall cabinet
35349	SD card+ software for event recording download

## ■ iPad CU-SP2 AED AND MANUAL DEFIBRILLATOR



### TECHNICAL SPECIFICATIONS

#### Defibrillator

Operating mode: Semi-automatic  
Waveform: e-cube biphasic (Truncated exponential type)  
Energy: AED mode: 150/200J fixed or 150-150-200J energy escalating  
Manual mode: 2-200J, R-Sync

Charging time: within 10 seconds  
Charging time after CPR finished: at least 6 seconds  
Sealing: waterjet proof IPX5 per IEC60529 (IP55)  
dust protected IP5X per IEC60529

#### User interface

User support: detailed voice and text prompts  
CPR guidance: voice prompts for how to perform CPR for adult and child  
Controls: on/off button, "i" button, shock button, soft keys  
Indicator: graphic LCD display (Device status, user's guide, ECG, heart rate, ....)  
Sensing: pads expiry date, Pads connection status

#### CPR Monitoring

#### ECG Monitoring

Automatic Volume adjustment

#### Data recording and transmission

IrDA port: wireless transmission of event data to PC, SD Card  
Internal Memory (Nand-flash): ECG, Event  
Storage capacity: multi recording 3 events / Max 17 hours for each event  
Bluetooth: communication with the printer  
Data review PC Programme: CU-EX1

#### Patient analysis system

Patient Analysis: Shockable Rhythms (Ventricular Fibrillation, Tachycardia)  
Sensitivity/Specificity meets AAMI DF80 Guideline

#### Rechargeable battery

Standard Type: DC 11.1 Volt 1.9 Ah, Li-ion rechargeable  
Capacity: Minimum 60 shocks or 3 hours of operation

GIMA code	iPAD CU-SP2 DEFIBRILLATOR
35341	iPad CU-SP2 defibrillator
ACCESSORIES FOR CU-SP1	
35344	Adult PADS - kit of 2 pcs - disposable
35345	Pediatric PADS - kit of 2 pcs - disposable
35347	Rechargeable 12 V, 1.9 Ah Li-ion battery
33423	Wall cabinet
35349	SD card+ software for event recording download