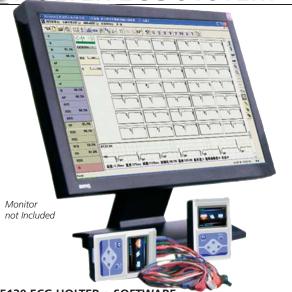
■ HOLTER ECG SYSTEM - 24 HOURS MONITORING



• 35130 ECG HOLTER + SOFTWARE

ECG Holter system includes ECG recorder and software connectable to a computer system or laser printer.

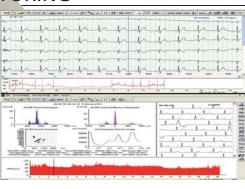
The recorder has industrial media storage to increase memory capacity. Recorder is an easy-to-use unit, which collects 12-lead ECG waveform synchronously and records continuously for 24 hours.

Accuracy of the system is ensured by AHA and MIT data. Features:

- windows software interface (GB, IT, PL, PT, RU)
- quick and accurate analyzing system
- special editing system of R point
- perfect analysis function of ST segment
- analysis function of T wave of all channels and T wave trend graph
- review of ECG trend graph
- analysis system of HR variability, providing regular SDNN, SDANN, RMSSD, LF, HF, time domain and frequency domain
- OTD analysis

Functions of VCG, VLP, TVCG, HRT, TWA





Recorder:

35130

- 12 channel Synchronized ECG Acquisition
- small ECG recorder with TFT colour screen to display real time ECG waveform and review storage data.
- capacity up to 1G
- sampling rate: 250 sampling/sec
- sampling accuracy: 24 bit
- industrial grade micro SD storage media
- USB interface
- operating system: Win 98, 2000, XP, 7, 8, 10, 11
- 35131 ECG CABLE spare • 35184 CARRYING BAG

TECHNICAL SPECIFICATIONS

CONTEC

Scale voltage: 1mV±5% Standard sensitivity: 10mm/mV ±5% Noise level: <50uV CMRR: ≥60dB Frequency response:

5 Hz as benchmark, 0.05Hz~40Hz; -3dB Time constant: 25mm/s ±5% Scan speed: Enduring polarization voltage: ±300mV

Least measure signal: 50µV p-p Interference between channels: scan track deflection (result from interference between channels) < 0.2mm Product safety type: type BF (internally Size: 111 x 60 x 25 mm

Net weight: 105 g (without battery)



STANDARD ACCESSORIES

1 Holter recorder

1 CD with software (GB, IT, PL, PT, RU)

10 leads patient cable

10 disposable ECG sensor 1 pouch for hanging recorder

1 USB cable for data downloads Instruction Manual (GB, IT)

CONTEC 8000 WIRELESS ECG WORKSTATION - 12 CHANNELS

• 33316 CONTEC 8000 WIRELESS ECG WORKSTATION

Compact and portable device with an advanced ECG analysis algorithm which ensures reliable detection of arrhythmia. High sampling frequency (1000Hz) ensures correct waveform, high resolution display and printout. It includes wireless transmission of data to a PC in order to analyse, manage and save patients' reports. It acquires multiple functions including: 12-lead ECG collection, frequency cardiogram, high frequency ECG, QT internal dispersion analysis, Heart

rate variability analysis, Pacing ECG analysis, Myocardium ischemia analysis, Heart rate turbulence analysis, Vectorcardiogram, Timed Vectorcardiogram and Ventricular late potential analysis.

Built-in rechargeable lithium battery, continuous working for more than 7 h.



Polarizing voltage: ± 500mV

• 33317 ECG CABLE - spare

TECHNICAL SPECIFICATIONS standard 12-lead

Lead:

floating and defibrillation protection Input mode:

CMRR: > 60dB, >100dB (add filter)

Frequency response: $0.05\sim150 \text{ Hz} (-3\sim +0.4 \text{dB})$

Time constant: ≥ 3.2s Patient leak current: < 10 μA 1mV Calibration voltage:

Accuracy: up to 24-bit frequency: up to 1000Hz Sampling: Input circuit current: ≤ 50nA Input impedance: $\geq 50M\Omega$ Noise level: ≤ 15µVp-p

Polarizing voltage: ± 500mV

Printing format:

Report format: BMP, PNG, PDF, JPG Windows 2000 / XP / Vista / 7 / 10 / 11 Operating system:



33316



(6 0123

STANDARD ACCESSORIES

- 1 ECG lead cable 6 Chest electrodes
- 2 Extension cables (to electrode) 4 Limb electrode clamp 2 Lead cable clamps
- 1 CD software ECG workstation installation user manual: GB, IT

Size: 100x45xh 15 mm Weight: about 60g

PM10 PALM ECG WITH SOFTWARE AND BLUETOOTH

• 33246 PM10 PALM ECG - with software and Bluetooth

PM10 is a homecare device to check ECG parameters. It can be used as a reference for patient to take further medical treatment and for doctor to diagnose. It can help to early prevent from cardiovascular diseases and reduce risks. Intelligent design, remote health management throughmobile application;

it can automatically start measurement, store ECG, upload data, download health results. Suitable for patients with chronic diseases, especially coronary heart disease, diabetes, hypertension, myocarditis, obesity, chest pain, palpitations and dyspnea.

4 MEASUREMENT MODES



 accurate conclusion can be obtained immediately after measuring - continuously record for up to 500 cases

with built-in rechargeable lithium battery in full charge

friendly

1.77" colour TFT-LCD

- Bluetooth data transmission to free PHMS App

quick ECG test with a simple touch. User

- ECG data can be saved to cloud Platform permanently, easy to check and analyze

historical data can be printed at any time, easy to diagnose

Supplied with a carrying bag, a multilingual manual (GB, FR, IT, ES, DE, PT)

and a CD software to visualize data on PC



CARDIO-B SINGLE CHANNEL PALM ECG



• 33261 CARDIO-B PALM ECG - COLOUR DISPLAY • 33259 CARDIO-B BLUETOOTH PALM ECG+VIEWER SOFTWARE

Designed for general practitioners or for domestic users who suffer from cardiovascular diseases such as hypertension, coronary disorders, giving the possibility of a daily ECG test. Records can be saved and used for clinical applications.

4 measurement modes: palm, leg, chest or lead wire traditional measurement. Main features:

- small, portable and easy to use

- 30 second ECG waveform and measurement results
- 1200 ECG waveform can be saved
- 10 hours ECG continuous measurement data storage
 analysis and report of 17 types of ECG waveform
- USB 2.0 interface with optional data cable and ECG software
- traditional measurement with optional ECG cable CARDIO B with Bluetooth module for wireless data transmission. Allows to download data on your smartphone or

tablet, compatible with Android. • 33249 ECG VIEWER SOFTWARE + US B 2.0 CABLE for 33261

since SN: XXS02JL01044 - Jan 2014
• 33248 ECG 3 PIN LEAD CABLE - 3 LEADS 75 cm - opt. for 33261 since SN: XXS02HL01709 - 2012 and for 33259

• 33264 OLD ECG BANANA LEAD CABLE - 3 LEADS - optional

TECHNICAL SPECIFICATIONS

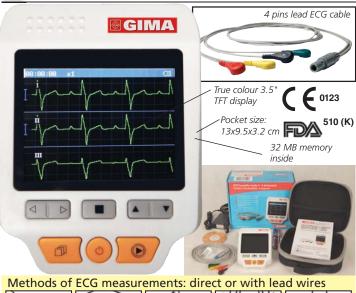
1 Hz - 40 Hz ECG bandwidth: Heart rate measuring range: 30 - 240 bpm ± 2 bpm LCD back light display: 240x160 dot matrix Display size: 57.6x40 mm Power 2xAAA batteries Dimensions - Weight: 125x70x21.5 mm - 106 g

CARDIO-C 3 CHANNEL POCKET ECG

need limb

need chest

electrodes 33364 electrodes 33327



or wrist

- 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, 10 disposable electrodes, manual (GB, FR, IT, ES, PT, SE).

- 33364 SET OF 4 LIMB CLAMP ELECTRODES (4 COLOURS) adult
- 33327 DISPOSABLE TNT ELECTRODES Ø 55 mm

TECHNICAL SPECIFICATIONS

Heart rate measuring range: Heart rate measuring accuracy: ECG bandwidth: Display scale:

Common-mode rejection ratio (CMRR): Waveform sweeping speed: Input impedance: Power:

Supply voltage range: Max average working current: Auto power-off:

Low battery indication:

30 bpm ~ 240 bpm \pm 2 bpm or \pm 2% whichever is greater 0.5 Hz \sim 40 Hz

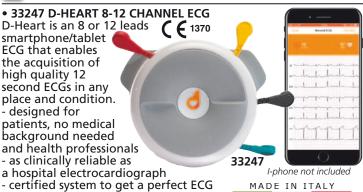
5.0 mm/mV ±10% ≥ 60 dB 20 mm/s ±10% > 5 MΩ

4 AA alkaline batteries 4.4 ~ 6 VDC

≤ 160 mA can be adjustable between 1-5 mins 4.4 VDC ±0.2 VDC

■ D-HEART 8-12 CHANNEL PORTABLE ECG FOR SMARTPHONE OR TABLET

Four easy steps



- easy to share with your cardiologist - telecardiology service available 24 hours / 7 days with subscription Supplied with lanyard, 60 disposable electrodes, electrode cables 27 cm, soft case with incorporated wireless charger and multilingual user manual (GB, FR, IT, ES, PT, DE, GR, RU, TR, JP, CN, TH, Arabic).

1- Connect the device with bluetooth 2- Place D-Heart on your chest 3- The App will guide you to make the ECG 4- Get immediate feedback from a cardiologist Free D-Heart App required (GB, FR, IT, ES, PT, DE, GR) Google play App Store See Apple and Android compatibility on www.gimaitaly.com **TECHNICAL SPECIFICATIONS** Channels/leads: 8 for patient use, 12 for health professional use A/D resolution: Measurement range: > ±5 mV Frequency response: 0.05 Hz ~ 150 Hz (-3 db) 25 mm/s (std) / 50 mm/s Recording velocity: Acquisition lenght: from 12 s to 60 s (8 channels) 12 s (12 channels) AC 50/60 Hz (digital) charging Filters: within the case Muscular 25/40 Hz (digital) Recording frequency: Acquisition 640 Hz / ch Transmission 640 at 4 intervals on average (160 Hz / ch)

• 33232 CARDIOPOCKET ECG 3 CHANNELS - with software

12-lead ECG printing ECG waveform with thermal printing system, measuring and diagnosing ECG waveform parameters automatically.

 full-automatic analysis function: auto-analysis and auto diagnosis for routine ECG parameters. It provides measurement results and auto diagnosis conclusion for HR, P-R interval, P Duration, QRS Duration, Q-T interval, Q-tc, P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5)+ S(V1)

- 2.83" colour LCD screen (resolution 320x240) that operates both with touch screen and keys

- high resolution thermal array output system 8 dots/mm (vertical)

- built-in rechargeable lithium detachable battery can continuously work for 4 hours, print up to 90 minutes and 150 ECG

- store up to 100 cases in a SD card

- high-accurate digital filter eliminates baseline drift and distorsion to ECG waveform

- ECG-Sync software to form a ECG workstation

• 32963 THERMAL PAPER 50 mm x 20 m - box of 20 rolls • 33328 10 LEADS ECG CABLE - spare

 33233 RECHARGEABLE Li-Ion BATTERY **TECHNICAL SPECIFICATIONS**

AC: 100-240 V, 50/60 Hz - DC 12V rechargeable lithium battery 2,000 mAh Power:

≤15 µVp-p CMRR: >60 dB, > 100 dB (add filter)

Noise level: 25/35 Hz Time constant: 0.05-150 Hz (-3 dB - 0.4 dB) EMG filter:

Frequency response:

Patient leakage current: <10 µA

50 mm x 20 m, high speed termal paper 6.25, 12.5, 25, 50 mm/s ±5% Recording paper:

Paper speed:

Safety standard: IEC class I, type CF defibrillation-proof applied part

Input mode: floating and defibrillation protection ≤0.1 µA Input impedance:

Input circuit current: ≥**50 M** Ω Size: 207x96x62 mm Net weight: 500 g

STANDARD ACCESSORIES

Patient cable 1 roll of paper

rechargeable lithium battery

4 limb electrodes 6 chest limb electrodes

adapter 12 V

1 user manual (GB, IT, FR, ES) 1 CD software (GB, FR, IT, ES, DE, TR) and cable for connection to PC



Internal

software in

GB, IT, FR

DuoEK™ S PORTABLE ECG MONITOR

• 33238 DuoEK™ S PORTABLE ECG MONITOR

Portable ECG monitor for instant ECG analysis and measurement. Compact and lightweight, it easily performs medical-grade ECG examinations anytime, anywhere.

3 measurement leads: hand-hand, hand-leg and chest.

- OLED screen for clear ECG display
- one-touch measurement

- 500 measurements on a single charge

Suitable for people with high stress, irregular schedules, heart disease and heart discomfort (palpitations, panic, dizziness, chest tightness, etc.).

Free ViHealth App on iOS and Android

Automatically upload data and share PDF report with doctor. Supplied with charger and multilingual manual (GB, FR, IT, ES, DE).

TECHNICAL SPECIFICATIONS

30 seconds to 5 minutes recording ECG length:

Heart rate range: 30 to 250 bpm

rechargeable lithium polymer battery > 500 checks Batterv:

Charging time: 2-3 hours

0.96" OLED display Display: micro-USB connector Connection: Bluetooth 4.0 BLF Wireless:

10 sessions, if ECG length < 1 minute Built-in memory: 4 sessions, if ECG length is 5 minutes

App storage: unlimited

92x32x8.2 mm - 26.8 g Size - weight:



DIGITAL SINGLE, 3 OR 3/6 CHANNEL ECG

- 33220 SINGLE CHANNEL ECG 100G
- large LCD display waveform and data
- high-resolution thermal printing array system frequency response is as high as 150 Hz

- capable of printing continuously on channel trace and annotations including lead mark and parameter such as sensitivity, paper speed and filter operation status

- high resolution digital filter inhibits baseline drift without

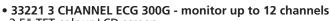
affecting ECG waveform

- floating input circuit meets IEC safety standard
- rechargeable battery supporting more than 50 patient examinations
- internal software: GB, FR, IT, ES, DE, TR
- manual: GB, FR, IT, ES
 33225 RECHARGEABLE BATTERY spare
- 32968 PAPER ROLL 50 mm x 20 m box of 20



- 33222 6 CHANNEL ECG 600G monitor up to 12 channels
- 7" TFT, colour LCD touch screen
- 12 leads simultaneous display
- digital isolation technology and signal processing solution, digital filter
- patient management, name, age and id, detail analysis report
- built-in lithium rechargeable battery
- thermal printing system provides more than 10 printing modes
- can print 90 minutes and print out 150 ECG continually
- ECG-Sync software, USB connection to PC and built-in memory can store more than 1000 cases
- auto-measurement, auto-analysis and auto-interpretation
- internal software: GB, FR, IT, ES, DE, TR, PL, PT, SI, RU, KZ, CN PC software ECG Synchronous: GB, FR, IT, ES, PL, SI, TR, RO

- manual: GB, FR, IT, ES.
 33226 RECHARGEABLE BATTERY spare
- 32970 PAPER ROLL 110 mm x 20 m box of 10
- 33328 ECG CABLE 10 leads spare



33220

- 3.5" TFT colour LCD screen
- 12 leads simultaneous display
- thermal printing system
- AC and DC power supply
- high capacity built-in lithium rechargeable battery
- battery power supports up to 150 ECG continuous records
- built-in Database
- built-in memory can store more than 1000 cases
- digital signal processor for filter
- auto-measurement, auto-analysis, auto-interpretations
- ECG-Sync software, USB connection to PC
- internal software: GB, FR, IT, ES, DE, TR, PL, PT, SI, BG, YU, RU, KZ, CN
- PC software ECG Synchronous: GB, FR, IT, ES, PL, SI, TR, RO
- manual: GB, FR, IT, ES.
- 33226 RECHARGEABLE BATTERY spare
- 32969 PAPER ROLL 80 mm x 20 m box of 10
- 33328 ECG CABLE 10 leads spare USB connection allows real-time

transmission to PC, remote data analysis and diagnosis, management and printing through the PC



• 33320 E	co CABLE - To leads - spa	16							
		TECHNICAL SPECIFICA	ATIONS						
		ECG 100G	ECG 300G	ECG 600G					
	Safety Type	Class I, type CF applie	ed part, which has defibrillation	n-proof applied part					
	Lead		Standard 12 leads						
	Input way	Floa	ting and defibrillation protec	tion					
	Patient leak current		<10µA						
ECG	Sampling rate	800 Hz	1,000 Hz	1,000 Hz					
instrument	A/D conversion	12bit							
Input	Frequency response		0.05Hz~150Hz (-3dB, + 0.4dB)						
	Time constant		≥ 3.2s						
	CMRR		>60dB, >100dB(Add filter)						
	Enduring polarization voltage	±500mV							
	Noise level	<15µVp-p							
Dispose	EMG interference filter	35Hz (-3dB) 25Hz/35Hz (-3dB)							
Wave Data	AC filter		50Hz/60Hz (-20dB)						
	Recording way	Thermal printing system	Thermal printing sy	/stem (32spots/mm)					
	Recording paper	50mm(W)×20m(L)	80mm(W)×20m(L)	110mm(W)×20m(L)					
	Sensitivity	5, 10, 20mm/mV	2.5, 5, 10, 20), 40 mm/mV					
Waveform output		Auto-record: auto leads changing	Auto-record: 2	5mm/s, 50mm/s					
	Paper speed	Rh	nythm record: 25 mm/s, 50 mn	n/s					
		Manual-record: 25 mm/s,	Manual-record: 5, 6.25, 10	, 12.5, 25, 50 (only 33221),					
		50 mm/s	100 mm/s (only 33222)					
Power	AC		110-220V, 50/60 Hz						
supply	DC - Lithium battery	7.4V, 2000 mAh		00 mAh					
Fuse		2 pcs φ5×20mm A	AC time lag; T250mA/250V(Pov	wer Supply:220V)					
Form	Size		315 x 215 x 77 mm						
101111	Net Weight	1.5 kg	1.6 kg	1.7 kg					



STANDARD ACCESSORIES

ECG cable - 1 set Limb electrode clamp - 1 set chest electrodes - 1 set Ground wire Power connection Paper roll USB connection and PC software (only 33221 and 33222)

• 33228 CARRYING BAG 39x29x14 cm





- foldable LCD screen, vivid waveform display
- built-in high resolution thermal printer
- built-in rechargeable Li-ion battery, AC/DC supply
- complete digital filter, avoid baseline drift, AC, EMG interfere
- automatic baseline adjustment
- auto/manual operation selectable
- lead-off detection and alarm

SE-3 Three channel colour ECG also features

- interpretation tested by CSE/AHA/MIT database
- 12 Lead simultaneous acquisition
- automatic ECG parameters measurement and analysis auto, manual, rhythm off work mode
- support barcode scanner to simplify patient information input
- LAN/RS232/USB connection to PC
- 12 leads grid printing on normal A4 paper by external printer ECG Viewer Software: PC based ECG data management software compatible with Windows XP, 7, 8, 8.1, 10, 11, Vista (32 bit, 64 bit)
- multi format reports XML/SCP/DICOM/PDF/JPG/BMP/TIFF/PNG
- support bi-directional communication with ECG device

GIMA code	EDAN ECG AND ACCESSORIES
33330 33333	Edan SE-1 Single Channel ECG Edan SE-3 colour Three Channel ECG - interpretative
33328 33318	ECG-Viewer Software (GB, FR, IT, DE, PL, RU, ES, TÜ) for 33333 Thermal paper - roll 50mm x 25m for 33330 and 33305 Thermal paper - roll 80mm x 25m for 33332/3 and 33306 ECG cable - spare Rechargeable Lithium battery 2500 mAh - spare Transport bag - see page 79

	TECHNICAL SPECII	FICATIONS
	33330	33333
Lead:	Stan	dard 12 leads ————
Acquisition mode:	One lead	12 leads simultaneously
Sensitivity:	└── 2.5, 5,	10, 20 mm/mV————
Input impedance:	├ > 50) MΩ (10 Hz)
Filter:	EMG Filter 35 Hz (-3 dB)	EMG Filter 25/35/45 Hz off
	AC/DFT Filter 50 Hz/60Hz	DFT Filter 0.05/0.15/0.25/0.32/0.5/0.67 Hz
	(-20 dB)	Low pass filter 150/100/75 Hz
		AC Filter on/off
Recording mode:	Auto/Manual	Auto/Manual/Rhythm/USBPR1
Rhythm lead:	Any l	ead selectable ————————————————————————————————————
Safety standard:		
Power supply:		V, 220-240 V, 50/60 Hz ───
		ion battery: voltage 14.8 V ——
	More than 6.5 hours contin	nuous operation with battery supply
Data storage:	-	500 ECG's
Thermal paper:	50 mm x 30 m	rolled 80 mm x 20 m
		folded 80x70 mm x 200 pages
Paper speed:	25 mm/s, 50 mm/s (± 3%)	
		12.5 mm/s, 25 mm/s, 50 mm/s (±3 %)
Dimension:		x260x75 mm ———
Weight:	2.3 kg (with battery)	2.5 kg (without battery)
Display:	192x64 pixel LCD	
Selectable display lan	guage GB, IT, FR, ES,	GB, IT, FR, ES, RU, PL, CZ,
		RO, DE, TR, HR, UA
Interface:	RS 232	Ethernet, RS232, USB
Barcode scanner supp	port: -	yes
Report formats:	- CTANDADD 4 CCT	PDF, Dicom, SCP, XML
	STANDARD ACCES	
Patient cable		4 limb electrodes
1 bottle of gel		ttery 6 chest limb electrodes
Manual: GB, IT. On	request: FR, ES, PT, TR (SE-	1 and SE-3), DE, RU (SE-3 only)

MINDRAY BENEHEART R3 ELECTROCARDIOGRAPH

• 33301 MINDRAY BENEHEART R3 ELECTROCARDIOGRAPH 3 channels Lightweight portable cardiograph for resting ECG diagnosis.

Reliable analysis - Glasgow algorithm

Utilizes the University of Glasgow ECG analysis algorithm, one of the world-leading resting ECG interpretations.

Great Portability - only 1.2 kg

Weighs only 1.2 kg with battery, easy to carry.

5" clear colour display

Offers the highest resolution in industry, enabling clinicians to observe real-time waveforms accurately.

Convenient operations ECG recording is automatically unfolded on the writing

pad at the top of the unit for notes or signature. Unique recorder - Z-folded or rolling paper

Compatible with both rolling paper and Z-fold paper.

Easily switchable without dismantling the pressure lever.

- 33014 ROLL THERMAL PAPER 80 mm x 20 m box of 10
- 33016 Z-FOLD THERMAL PAPER 80x70 mm x 200 sheet box of 25





STANDARD ACCESSORIES
Cable with banana plugs, IEC 1 roll paper Limb clamp set of 4 Rechargeable battery User manual in: GB, FR, DE, HU, IT, PL, ES, TR Chest bulb set of 6 Glasgow algorithm (available in 13 languages as internal software)

TECHNICAL SPECIFICATIONS ECG amplifier: DC-coupled Power

Battery-type: - capacity:

- charge time:

11.1 V typical, 2,500 mAh 6 hours of continuous operation without recording or 500 ECGs in 2.5 x 4 format at 25 mm/s and 10 mm/mV 3.5 hours with power off

Processing ECG analysis Digital Pacer detection Acquisition mode: Pre-acquisition or post-acquisition provide 10 seconds of instantaneous ECG acquisition

100 to 240 VAC ± 10% 60 VA rechargeable Lithium ion battery

500 samples/second (sps) 1,000 samples/second/channel 16,000 samples/second/channel

Input impedance: Patient leakage: Heart rate meter:

Sensitivity/gain: Colour display Resolution: Display data:

DC-coupled 50 MD at 10 Hz, defib protected $< 10 \mu A$ 30 to 300 BPM ± 10% or ± 5 BPM, whichever is greater 5, 10, 20 mm/mV, Auto TFT LCD with LED graphics backlit

800x400 Patient ID, gender, age, heart rate, clock, battery power indicator, waveforms, lead labels, speed, gain, filter settings, warning messages, information messages, network status and USB Thermal printer:

Software

Dot array/Width 80 mm/speed 5, 12.5, 25, 50 mm/s

Resting ECG mode:

Records and prints 12-lead resting ECG with 10-second duration Patient information: Patient ID, second duration
Patient information: Patient ID, secondary ID, age, date of birth, gender, race, medication class and V3 electrode placement
Internal storage: 800 ECGs in internal memory ECG Storage format: PDF and Mindray storage format internal software: GB, FR, IT, ES, DE, PL, PT, TR, RU, HU, RO, CZ, CN

Report formats
Size/Weight: 250x194xh 56 mm/1.2 kg including battery

■ MULTI CHANNEL ECG WITH INTERPRETATION ON PAPER



• 33358 NEW CARDIOGIMA 12 ECG - 3-6-12 channel

Cost effective 12 channel resting ECG recorder without performance compromise. The simultaneous record of 12 channels has a high diagnostic value - all the 12 channels are shown at the same time.

- one touch operation for analyzing, storing and printing result
- 12 leads simultaneous 10-second resting ECG
- over 130 kinds of interpretation results based on Minnesota code Internal software+print in GB, FR, IT, ES, DE, RU, TR, PL, PT, RO, KR.
- wide paper printing (A4 size thermal paper, fax paper is OK) - combined output of all relevant curves, patient data, date, time and instrument settings
- PC Connections

Connection to PC with LAN to submit recorded ECG signal to other specialist for evaluation (only a modem is needed)

- ECG filing system

A fully configured PC-based software enables to record, print, change the settings of ECG's and save them in JPEG, PDF, XML format, which ensure compatibility with most EMR package.

- rechargeable battery (optional) with 6 hour capacity

TECHNICAL SPECIFICATIONS

3-6-12 channel illustration of ECG signals in continuous ECG Leads: recording or 10 sec. recording with interpretation.

Size - weight: 200x300x97.5 mm - approx 3 kg 3, 6, 12 channel and 1 channel (60 sec.) Recording channel: Sensitivity: 5, 10, 20, auto (I~aVF: 10, W1~V6: 5) mm/mV

Printing speed: 12,5; 25; 50 mm/s

AC (50/60 Hz, -20 dB or better), Muscle (25~35 Hz, -3 dB or better) Filters:

Base line drift (off 0.05, 0.1, 0.2 Hz - 3 dB or better) Low pass filter (off, 40 Hz, 100 Hz, 150 Hz)

Sampling rate: analysis 500 samples/sec, digital 8,000 samples/sec

2x16 character LCD display Display:

LCD display: Sensitivity, speed filter status, HR, Printing form, rhythm lead

LED indicator: Signal quality, power source, battery

Keyboard: Membrane keyboard, alphanumeric and symbol available ID, name, age, sex, height, weight Patient data:

Basic measurement: Heart rate, PR, QRS, QT/QTc, P-R-T axis Recorder: Thermal print head, thermal paper roll Report papers: A4: 215X297 mm (8.5"x11.7") Letter: 215x280 mm (8.5"x11")

Resolution: vertical: 8 dots/mm, horizontal: 16 dots/mm Electrical:

Internal noise: 20 μV (p-p) max input impedance: >50MΩ Input voltage range: ± 5 mV CMRR: greater than 105 dB DC offset voltage: ≥ ± 400mV Patient leakage current: < 10µA

Frequency response 0,05~150 Hz within -3 dB Isolated, defibrillation and ESU protected

Power supply: AC or rechargeable lithium-ion 11.1 V 2600 mA battery (optional)

Power requirement: 100-240 Vac, 50/60 Hz, 1.0-0.5 A

Power consumption: 60 W max

Battery capacity: 6 hour of normal use (approx. 200 automatic ECG printouts)

Communication: LAN

Class I, Type CF Safety:

Conformity: CE, FDA, KFDA, CFDA, NCC

STANDARD ACCESSORIES 6 Chest electrodes, suction for adult

1 LAN cable

1 Patient cable - 10 leads 4 ECG clip-on electrodes

1 Power cable

1 PC software

GIMA

Input way

Patient leak current

Input impedance Frequency response

EMG interference filter Thermal paper

Sensitivity selections

Time constant **CMRR**

Paper speed

Auto record Rhythm record

Manual record

Product safety type

Size

Power

Lead

1 ECG gel tube (250 ml)

1 Recording paper roll







33358

29519

CARDIOGIMA 12 ACCESSORIES code 29536 Rechargeable lithium battery for 33358 - optional

29534 Rechargeable battery for old 33354/33355 Thermal paper A4 - for 33354-5-7-8 - box of 5 32950

33328 ECG cable for 33354-5-7-8 29519 Trolley for 33354-5-7-8

DIGITAL 12 CHANNEL COLOUR ECG



• 33224 12 CHANNEL ECG 1200G

- 8" TFT display, 800x600 dots high resolution colour LED backlight

- simultaneous 12 leads acquisition and display

- digital signal technique, AC filter, baseline filter, EMG filter

- auto-analysis and auto-interpretation

- multi-mode display and printing, such as 12, 6+1 (rhythm), 6, rhythm 12, rhythm 10, rhythm 8, rhythm 6. Manual, Freeze etc

built-in lithium rechargeable battery

2 USB and LAN Socket for uploading data to PC

- built-in flash memory. Stores more than 1,000 files

Multilingual internal software: GB, FR, IT, ES, PT, PL, SI, TR, RU, KZ, CN.

 33227 RECHARGEABLE BATTERY - spare up to S.N. 19120300473 • 33229 RECHARGEABLE BATTERY since S.N. 20030100001 - spare

• 32967 PAPER ROLL 210 mm x 30 m

• 33328 ECG CABLE - 10 leads - spare

TECHNICAL SPECIFICATIONS

Floating and defibrillation protection Standard 12 leads

< 10 μA ≥ 50 MΩ

0.05 - 150 Hz (-3 - + 0,4 dB)

≥ 3.2 s >60 dB, > 100 dB (adding filter)

25/35 Hz (-3 dB) 210 mm x 30 m high-speed

Auto and rhythm record: 25, 50 mm/s, ±5% Manual record: 5, 6.25, 10, 12.5, 25, 50 mm/s, ±5%

2.5, 5, 10, 20, 40 mm/mV, ±5%.

Standard sensitivity is 10 mm/mV ±0.2 mm/mV.

Record setup according to auto record format and mode, automatically changing leads, measuring and analyzing. Record setup according to rhythm record format and mode, automatically measuring and analyzing. Record setup according to manual record format,

Measurement parameters HR, P-R interval, P Duration, QRS Duration, T Duration, Q-T interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5)+S(V1)

Class I CF defibrillation and pacing protection

334x320x85 mm AC: 100-240 V, 50/60 Hz

DC: 14.8 V, 3700mAh rechargeable lithium battery

STANDARD ACCESSORIES

1 ground wire 1 ECG cable 1 paper roll 1 set limb electrode clamp 1 set chest electrodes Power connection

USB connection Rechargeable battery

Software (same languages as internal software) 🧶

Manual: GB. IT



WITH BUILT-IN **PRINTER**

NEO ECG - TABLET ECG



• 54230 NEO ECG S120 - ECG TABLET

• 54231 NEO ECG T180 - ECG TABLET with printer

Light and portable ECG tablets for acquisition and displaying of 9/12 lead waveform, as well as heart rate detection. 7 (54230) or 10.1" (54231) high resolution colour touch screen, easy to operate. It can store, preview, review, edit and upload patient data through wireless transmission of ECG data via WiFi and mobile networks. Patient data can be exported to USB flash disk via USB connector.

- Glasgow algorhythm

ECG leads:

Sensitivity:

A/D resolution:

Printing speed:

Sampling rate: Filters:

Heart rate range:

- 4 sampling modes: pre-sampling, real-time sampling, periodic sampling, and trigger sampling

- automatic pacing detection and marking

- auto RR analysis, HRV, medicine test, ECG event mode

files in multiple formats: Carewell ECG, PDF, BMP, HL7, DICOM, SCP

- freezing of ECG waveform on the screen

- virtual keybord and barcode scanning to insert patient information

- built-in thermal printer (54231 only)

- external DC power supply and built-in rechargeable battery

TECHNICAL SPECIFICATIONS

30 bpm-300bpm ± 1 auto, 2.5, 5, 10, 20, 40 mm/mV, less than \pm 5% error 5, 6.25, 10, 12.5, 25, 50 mm/s, less than \pm 3% error 32000 samples/sec AC (50-60 Hz, off), EMG (25-35-45 Hz off)

9,12 synchronous acquisition

ADS (0.01-0.05-0.32-0.67 Hz) Low pass filter (75-100-150-300 Hz off) 0.01-350 Hz (+ 0.4-3.0 db)

Frequency response:

Minimum delectable signal: 20 µVp-p

recorder charging port (54231 only)

54231

(E 0123

- multilingual selectable software: GB, FR, IT, ES, PT, DE, GR, PL.

GIMA **ACCESSORIES** code 54233 Rechargeable battery 5000 mAh for 54230, 54231 - spare 33328 ECG cable - spare **32950** Thermal paper 20mx216mm for 54231 - spare 54234 Bluetooth thermal printer - 3 channels for 54230 32969 Thermal paper 20m x 80mm for 54234 - spare **54235** Carrying bag for 54230

STANDARD ACCESSORIES 1 ECG cable (IEC, Ø 4 mm, banana connector) 6 pcs adult precordial suction electrodes (Ø 4 mm)

pcs adult limb clamp electrodes

Internal noise: ≤ 12.5 µV

Input impedance: $\geq 100 \text{ M}\Omega$ (10 Hz)

thermal roll paper - 20mx216 mm (54231 only) rechargeable lithium battery

1 power adapter Multilingual manual: GB, IT (FR, ES, PT, DE, GR, PL, RU on

www.gimaitaly.com). Carrying bag for 54230 and 54234

Input circuit current: ≤ 10 nA Calibration voltage: 1mV ± 2 % Depolarization voltage: ± 900 mV, ± 5 % Commode mode rejection: ≥ 140 dB (AC filter on) ≥ 120 dB (AC filter off)

Amplitude quantisation: $0.95~\mu V/LSB$ Recovery time after discharge:

Display: Size - weight:

33219

< 10 s 7" (542 (54230) or 10.1" (54231) colour touch screen 19.7x11.2x h 2.6 cm - 0.8 kg (54230) 27.4x28.8xh 11.1 cm - 2.5 kg (54231)

■ 12 CHANNEL ECG WITH PC SOFTWARE

• 33219 12 CHANNEL ECG - 1212G - with software

It can collect 12-lead ECG signal simultaneously and print ECG waveform with built-in thermal printing system. It features in recording and displaying ECG waveform in auto/manual mode; measuring, analyzing and diagnosing ECG waveform parameters automatically.

- 1280x800 dots, 10.1" high resolution colour LCD display

- display of 3/6/12-lead ECG to observe abnormal heart rhythm

 powered by AC/DC or built-in rechargeable lithium battery - up to 10-hour standby and continuous print over 3-hours

- record up to 1,000 ECG waveforms

- auto-measurement and auto-interpretation of routine ECG provide measurement results and auto-diagnosis conclusion - auto-diagnosis conclusion for HR, PR Interval, P Duration, CONTEC QRS Duration, T Duration, QT/QTc Interval, P/QRS/T Axis, R(V5), S(V1), R(V5)+S(V1) amplitude

- built-in large memory can store at least 4000 medical records,

- functions of LAN, USB cable transmission. Automatically upload cases, download reports and print them

- historical medical records can be exported to other electronic file formats (dat, pdf, xml, bmp, jpeg, png etc.)

CD software in GB, FR, IT, ES, PL, RO, SI, TR.

33218 RECHARGEABLE BATTERY - spare

• 32967 PAPER ROLL 210 mm x 30 m - spare

• 33328 ECG CABLE - 10 leads - spare

STANDARD ACCESSORIES

1 lead cable 1 Power cord 1 set limb electrodes Thermal paper 210 mm x 20 m 1 set chest electrodes Rechargeable battery

User manual (GB, IT) 1 Ground wire CD software

(ESI) 34×32×h 8.6 cm Weight: 5 kg

Input way: Lead: Patient leakage current: Input impedance: Paper speed: Sensitivity selection:

Auto record:

Rhythm record:

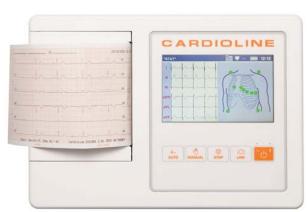
Manual record: Product safety type: Power supply: Frequency:

TECHNICAL SPECIFICATIONS Floating and defibrillation protection standard 12 leads <10µA Time constant: ≥3.2s >2.5 MΩ >105 dB 12.5 mm/s, 25 mm/s, 50 mm/s, ±5% 5, 10, 20 mm/mV, accuracy is ±2%; standard sensitivity: 10 mm/mV ±0.2 mm/mV record setup according to auto record format and mode, automatically change leads, automatically measure and analyze record setup according to rhythm record format and mode, automatically measure and analyze record according to manual record format Class I type CF defibrillation-proof function applied part rechargeable lithium battery, 14.8 V 5200 mAh

100-240 V. 50/60 Hz. ≤150 VA

CARDIOLINE COLOUR TOUCH SCREEN 12 LEAD ECG





54200-1-2

- 54200 CARDIOLINE ECG 100L BASIC 5" screen
- 54201 CARDIOLINE ECG 100L GLASGOW 5" screen
- 54202 CARDIOLINE ECG 100L FULL (Glasgow + EasyApp) 5" screen
- 54204 CARDIOLINE ECG 200L GLASGOW 7" screen

• 54205 CARDIOLINE ECG 200L FULL (Glasgow + EasyApp) - 7" screen The Cardioline ECG have been designed to provide simple and fast 12 lead resting ECG acquisition for the private practice. Particular attention has been dedicated to device usability using a brilliant 5" (54200-2) or 7" (54204-5) colour touch screen display, as well as dedicated keys for fast operation. User is guided through ECG acquisition step by step, from electrode placement, to quality checking, acquisition, printing and storage. Automatic, manual, Stat or rhythm ECGs can alternatively be acquired at the simple touch of a key. The new Rhythm ECG function allows for rhythm analysis of 3 minutes of ECG, including HR trending and Variability. ECG files can be stored on the device or exported, through USB connection to a PC or a memory stick.

Support most printing formats

Standard or Cabrera 3, 3+1, 3+3, 6, 12 (12 only 54204-5) channels in automatic mode and 3, 6 or 12 printout channels in continuous mode, as well as printout of the rhythm strip. Multilingual switchable internal software in 16 languages GB, FR, IT, ES, PT, DE, RO, RU, CZ, HR, BR, HU, NL, TR, RS, PL.

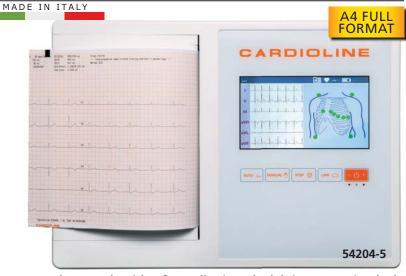
STANDARD ACCESSORIES

Patient cable 2 rolls of paper (for 54200-2) 1 pack of 180 sheets (for 54204-5) Batterv

Power cable Adaptor for snap connector 4 mm (box of 10)

Glasgow interpretation (54201-5) Disposable tab electrodes (box of 100)

CD Manual (GB, FR, IT, ES, PT, DE, NL, CZ, HR, HU, PL, RO, RU)

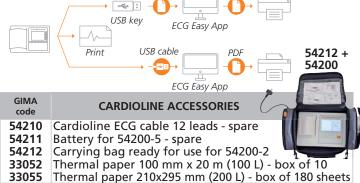


Glasgow algorithm for pediatric and adult interpretation (only 54201 - 54205)

The algorithm can diagnose any abnormality, usually recognizable through ECG: myocardial infarction, including AMI, ventricular hypertrophy, ST-T and common rhythm anomalies. Furthermore, the program detects conduction and QT interval prolongation malfunctions.

ECG EasyApp to manage patient ECGs (included with 54202, 54205, optional for 54200-1, 54204)

Through this App, ECG acquisitions can be received in SCP format on PC (via USB) and printed. Patient data and automatic interpretations, provided by ECG, can be modified, including test results. The operator can also customize rhythm strips layout with specific commands (speed, gain, filter etc.). ECG EasyApp SCP



TECHNICAL SPECIFICATIONS

ECG acquisition ECG channels: 12-lead (I, II, III, aVR-L-F, V1-6) Standard 15D, 10-wires

Patient cable: >100 dB CMRR: Input impedance: 100 MΩ

Sampling rate of the input stage: 32000 samples/second/channel ECG resolution: 5µV/LSB; 500 s/s

± 325 mV Dynamic range:

Bandwidth: Performance equivalent to 0,05-150 Hz

Pacemaker detection: Hardware detection coupled with convolution digital

Linear phase digital diagnostic high-pass filter

(acc. to 60601-2-25 2nd ed.) 50/60 Hz AC interference adaptive digital filter Digital low pass filters at 25/40 Hz, for display and

printing only AAMI/IEC standards

Defibrillation protection: Front-end performance: ANSI/AAMI IEC 60601-2-25:2011

Automatic (12-leads), Manual (3/6-leads only 54200-2), Acquisition mode:

Manual (3/6/12-leads only 54204-5) Stat (12-leads), Rhythm (1/3-leads)

Standard or Cabrera

Lead fail detection: Independent on all leads 30-300 hpm

Heart rate meter:

ECG measurements:

All leads, average, corrected; HR; Average RR; PR interval, QRS duration QT interval and QTc interval, with hodges, Bazzet and Fridericia's formula max R[V5] or [V6] and S[V1] Sokolow-Lyon index; P, R, T axis

Glasgow Analysis Program for Adult, Pediatric, STEMI (only 54201-2-4-5) ECG interpretation:

ECG storage: 50 ECG Export format: SCP-PDF

PC-ECG "Easy App": ECG Management application for PC (only 54202, 54205)

Display

5" (54200-2) or 7" (54204-5) TFT backlit colour LCD with capacitive touch panel Type:

800x480 Resolution:

Data: 3/6/12-leads real time

Printer Thermal printer head:

108 mm (54200-2) or 216 mm (54204-5) Resolution: 8 dots/mm

Physical characteristics

Device size/weight:

270x190x60 mm (54200-2) - 1.48 Kg 413x295x80 mm (54204-5) - 4.17 Kg Power

Power supply:

100-240V, 50/60 Hz Degree of protection power supply: IP20 Battery type:

Battery duration: more than 500 ECGs, more than 6 hours

Battery charging time: 4 hours to 85% full capacity

Regulatory and safety MDD 93/42/CEE Class IIa

IEC 60601-1-2 (electromagnetic compatibility): Group 1 - Class B

IEC 60601-1 (electrical safety)

Protection against electric shock: IP (internal power ME),

Class I (on external AC/DC)

Protection against water: IXP 0

Configuration:

■ NEW CARDIO 7: 12 CHANNEL RESTING ECG WITH TOUCH SCREEN

SOFTWARE BMS PLUS for data storage on PC





• 33352 NEW ECG CARDIO 7: 12 CHANNEL ECG WITH TOUCH **SCREEN**

The new Cardio 7 is an electrocardiogram (ECG) device capable of measuring and recording 12 channels of cardiac signals in adult and pediatric patients.

The device enables operators to record and print cardiac signals, review them using various viewing modes, perform automatic detection of cardiac conditions.

It is also possible to manage the digital files by transferring the stored data to a networked PC. This equipment is protected against the effects of cardiac defibrillator discharge.

over 120 kinds of interpretation results based on advanced Minnesota code, HRV (Hearth Rate Variability analysis)

- memory for up to 200 patients
- real-time preview monitor
- PC compatible through LAN or USB flash drive
- multilingual selectable software (GB, FR, IT, ES, DE, PT, PL, RO, TR, RU, KR)
- lead fault message
- pace maker detection
- automatic arrhythmia detection
- record rhythm from 1 channel for an extended time (1, 5 and 10 minutes) then print it on A4 or letter size printing paper
- wide and clear colour 7" TFT LCD (800x480)
- touch screen for easy operation
- full disclosure function
- 32950 THERMAL PAPER A4 box of 5 rolls
- 29534 RECHARGEABLE Ni-MH 12 V BATTERY for old model 33357 (up to S.N. T7xxxxxxx) - optional
- 29536 RECHARGEABLE Li-Ion BATTERY for 33357 (since S.N. T8xxxxxxx) and 33352 - spare
- 29519 TROLLEY

Electrical:

33328 ECG CABLE

STANDARD ACCESSORIES
Patient cable - 10 leads LAN cable 1 bottle of ECG gel (70 g) 1 power cord manual (GB, IT) 1 paper roll 4 limb electrodes 6 chest limb electrodes BMS Plus (GB, IT) Rechargeable Li-ion battery

ECG leads:

Display:

TECHNICAL SPECIFICATIONS 10 lead, 12 channel simultaneous ECG and acquisition

Dimension: 300x200xh 97.5 mm, approx. 3.5 kg

3 channels + 1 rhythm, 3 channels + 3 rhythm, Recording channel:

6 channels + 1 rhythm, 12 channels, 6 channels + st map 1 channel

Gain: 2.5, 5, 10, 20, auto (I~aVF: 10, V1~V6: 5) mm/mV

5, 12.5, 25, 50, 100 mm/s Printing speed: Analysis - 500 s Digital - 8,000 s Sampling rate: Filters:

AC (50/60 Hz, -20 dB or better) Muscle (25~35 Hz, -3dB or better)

Base line drift (0.05, 0.1, 0.2 Hz, -3 dB or better) Low pass filter: off, 40 Hz, 100 Hz, 150 Hz 7" color TFT LCD display (800x480), 12 channels preview ID, HR, gain, speed, power status

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) ID, name, age, sex, height, weight, smoke, race, Patient data:

department, room number, study...etc.

Heart rate (30~300 bpm, ± 3 bpm), PR/RR int., QRS dur., Basic measurement:

QT/QTc int., P-R-T axis, SV1/RV5/R+S amp.

Recorder: Thermal print head, roll paper A4/Letter 215 mm (8.5")

A4 297 mm (11.7") letter 279 mm (11") A4 report paper: 210x300 mm (8.5"x11") Resolution:

Vertical: 8 dot/mm (0.125 mm pitch) Internal noise: 20 µV (p-p) max Input impedance: ≥50 MΩ

Input voltage range: ≥ ±5 mV Common mode rejection: > 105 dB DC offset voltage: ≥ ±400 mV Patient leakage current: < 10 μA Frequency response: 0.05~200 Hz in 3 dB Isolated defibrillation and ESU protected

Signal quality control: Lead fault detection, signal saturation detection

Pacemaker pulse detection

ECG data storage: storage for 200 ECGs, built-in memory 100-240 V, 1.5-0.75 A, 50-60 Hz Power:

15 V, 4.2 A

Replaceable and rechargeable, lithium ion, 10.8V, 3250mA Battery (Li-ion):

6 hours of normal use or print 200 ECG pages (12 channel format at 25 mm/s and 10 mm/mV) Battery complete charge in 3 hours with power off PC connection with LAN, WiFi (option), USB flash drive,

USB barcode scanner (option) Class I, Type CF, CE, CSA, FDA, KFDA, CFDA, CCC Safety conformity:

ECG CABLE COMPATIBLE WITH MOST ECG BRANDS

• 33328 ECG cable - 10 leads

Long lasting, individually tested cable compati- EDAN: Smart SE-1, SE-3 ble with the following ECG machines: BIONET: Cardiocare, Cardiotouch, Cardio 7 CARDIOLINE: E1, E1R, E3, Delta 300, Delta 360, C3,

CARDIETTE (Elettronica Trentina):

Autoruler 12/1, Autoruler 12/3, Excel 103, Excel 106, Astron Comp 1, Astron Comp 3, Astron Comp 6, Start 100 P, Start 100 H, Start 200, Start 200HV, AR600, AR 600 ADV, AR1200, AR1200ADV.

CARDIORAPID CAMINA: K111, K112, K33, K36, K300 M, K300 P, K600 P, K600 D, K130 B, K 130 D. AT/10, CS6, CS12, CS100, CV6, P80.

CONTEC: 100G, 300G, 600G, 1200G

ESAOTE: P80, P8000

GIMA: CARDIOGIMA 1M, 3M, 6M, 12, 12M HP: Pagewriter 1513, 154B/C, 1514D, 1515A/B, 1517A

Communication:

KONTRON EKG P80

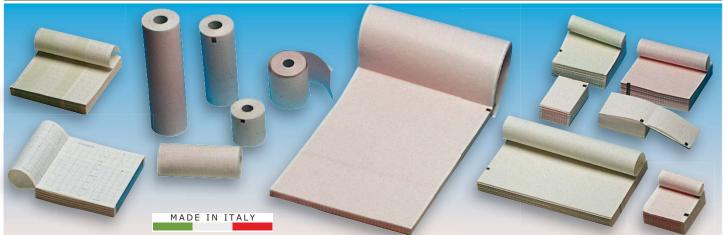
MACQUAIRE CT100, CT200. M4 MEDICAL: M traces

NIHON - KOHDEN Cardiofax 651, 6581, 8110. PROGETTI all models: EPG junior, EPG view, EPG6 view, EPG6 view plus

SCHILLER AT/1, AT/2, AT/3, AT/4, AT/5, AT/6,



■ GIMA ECG THERMAL PAPERS FOR DIFFERENT ECG BRANDS



GIMA code	ECG MANUFACTURER AND MODEL	Туре	Width mm	Length m	Sheet	Marker	Grid*	Min. order
32951	ASPEL Ascard A4, B56, Mr. Blue, Mr. Silver 3 Topaz, grey,	roll	112	25	-	no	or/red	10
	v.07.204, orange, red, v.07.303 Ascard B5 eco, Mr. Green, mint Ascard, Mr. Gold, Gold/3 BIOCARE	roll roll	58 210	25 25	- -	no no	or/red or/red	20 5
	101G 300G, 3010	roll	50 63	20 30	-	no no	or/red or/red	20 20
	iE3, iE300 3030, 6010 1200	roll roll	80 112 210	20 27 30	-	no no no	or/red or/red or/red	10 10 5
33004 33005	1210, 1215 iE12A, iE-15, iE-20 ECG-1260 iE6, ECG 3030, ECG 6010	pack pack pack pack	210 210 210 112	140 150 140 140	215 200 140 142	yes yes	or/red or/red orange orange	10 10 10 20
32969	BIOLIGHT BLT, 1203A, E 30 BLT-1212	roll	80 210	20	-	no	or/red orange	10 5
	E70, E80 BIONET Cardiocare/Cardiotouch	pack roll	210 215	295 25	150	yes no	or/red	1 5
33046 32969	BIOSET-HORMAN Bioset 3500 3800	roll roll	110 80	30 20	-	no	orange or/red	10 10
	BTL BTL 08/MT, 08/MD, 08/MD3 BTL 08/MT, 08/MD, 08/MD3	roll roll	112 58	25 25	_	no	orange or/red	10 20
	08 MT, MD BTL 08/LC, 08/LT BURDICK	roll roll	112 210	23 25	-	no no	or/red or/red	10 5
	Atria 3100/6100, quest CARDIOLINE Elan 100	pack pack	210	300 100	300	yes	or/red	1 25
32956 32957 32958	Delta 1 plus Delta 1 plus Delta 3 plus Delta 3 plus Delta 60 plus, ECG 200L	pack roll pack roll	60 60 112 210	100 30 100 30	300	yes no yes no	or/red or/red or/red or/red	25 20 25 5
33053 33052 33054	Elan 2100, Delta 612 ECG 100+, ECG 100S ECG 100/L AR/2100 (VIEW/ADV) - 66010042 ECG 200+	pack pack roll pack pack	210 100 100 210 210	280 150 20 140 295	200 200 - 200 180	yes yes yes	or/red or/red orange or/red or/red	1 10 10 8 1
33025 33058 33059	CAREWELL ECG-1101B, 1101C, 1101G ECG-1103B, 1103G, 1103L ECG-1103GW, 1103LW ECG-1106G, 1106L	roll roll roll	50 63 80 112	25 30 30 25	- - -	no no no no	or/red or/red or/red	20 20 10 10
32963	ECG-1112L, 112M, T/12 COMEN CM100 CM300, H3	roll roll	50 80	25 25 20	-	no	or/red orange or/red	5 20 10
32965 32992	CM600 CM 1200 A/B CM 1200 A/B	roll roll pack	110 210 210	20 30 295	- - 150	no no yes	or/red or/red or/red	20 5 1
32968	CONTEC CMS80 Cardiopoket 90A, 100G	roll roll	50 50	25 20	-	no	orange or/red	20 20
32970	300G, 300GA, 300GT 600G 1200, 1201, 1212G DIMED	roll roll	80 110 210	20 20 30	- - -	no no no	or/red or/red or/red	10 10 5
32996	LTD400 LTD410, Heartscreen 60G LTD405S, LTD405W, LTD415 Heartscr. 80G	roll roll	50 58 80	25 25 25	- - -	no no no	or/red or/red or/red	20 20 10
32965 32960	LTD418, Heartscreen 112 LTD440, LTD445/S LTD450, LTD455/S, LTD455/W		112 110 210	25 140 30	- 143 -	no yes no	or/red or/red or/red	10 20 5
*or/red:	grid could be orange or red c	olour						

GIMA	ECG MANUFACTURER	Type	Width	Length	Sheet	Marker	Grid*	Min.
code	AND MODEL	турс	mm	m	Jileet	WIGHT	Gila	order
	LTD450, LTD455/S, LTD455/W	nack	210	295	150	yes	or/red	1
32300	EDAN	pack	210	233	150	yes	Oineu	' '
32963		roll	50	25	_	no	or/red	20
32964		roll	80	25	-	no	or/red	10
	SE-601	pack	110	140	143	yes	or/red	20
32966	SE-6, 12, 1200 EXP	pack	210	295	150	yes	or/red	1
32960	SE-6, 12, 1200 EXP	roll	210	30	-	no	or/red	5
32962	SE/1201	pack	210	140	215	yes	or/red	10
	ELETTRONICA TRENTINA/C		ETTE/C		INE			
	Autoruler 12/1, comp. 1x12	roll	50	30	-	yes	blue	20
	Start 100	roll	130	27	-	yes	blue	10
	AR 600, AR 600 Adv	roll	60	15	-	yes	blue	25
	AR 600 Adv, AR 600 AR 1200	pack roll	60 120	75 18	250	yes	blue blue	25 10
	AR 1200 (View/Adv)	pack	120	100	300	yes	blue	10
	Daedalus, AR2100	roll	210	20	-	yes yes	blue	5
	Daedalus, Start 200, AR2100	pack	210	150	200	yes	blue	8
32370	ESAOTE BIOMEDICA	puck	2.0	130	200	yes	Diac	Ŭ
32980	P 80 base	roll	90	28	-	no	or/red	10
	P 80 base	pack	90	70	400	yes	or/red	25
	P 80 Power, P 80 SIX	pack	210	280	215	yes	or/red	1
	P8000 base	pack	80	70	300	yes	or/red	20
	P8000 Power	pack	210	280	200	yes	or/red	1
	Archimed 4240, Archiwin	pack	210	300	200	yes	or/red	1
	My Cardiopad base	pack	114	90	200	yes	or/red	20
33040	Esaote my Cardiopad 2157036		210	140	180	yes	or/red	5
22000	FUKUDA ME - FUKUDA DE		F0	20			a = /= a al	20
	501A, FX121, FCP-500, OP18TE FCP15, FCP11, OP110TE, OP119TE	roll	50 63	30 30	-	no no	or/red or/red	20 20
32969	FCP2101, 2155, FX 2111, CASE10,	1011	03	30	-	110	oineu	20
	FCP 7101, FX 7102							
32994	OP/358TE, FCP/131, FX3010,	roll	145	30	-	no	or/red	10
	FX3101, FX-8822							
32990	OP 111 TE, OP 115 TE, FX102	pack	50	75	400	yes	or/red	20
32991	OP 112 TE, FX 2111, FX 7101,	pack	63	75	400	yes	or/red	25
	FX 7102, FCP 2201 G							
32992	FCP231, FCP4101, FX4010	roll	210	30	-	no	or/red	5
	FX7402, FX7542, FX8322,							
22065	FDX4510	nack	110	140	1/12	V/05	or/rod	20
32903	OP222TE, FX7202 GIMA	pack	110	140	143	yes	or/red	20
32996	Cardiogima 1M, 3M	roll	58	25	_	no	or/red	20
	Cardiogima 6M, colour	roll	112	23	-	no	or/red	10
	Cardiogima 12, 12M	roll	215	25	-	no	or/red	5
	HEWLETT PACKARD							
32999	Page Writer 100/200,	pack	210	300	200	hole	or/red	1
	M1709A, M2483A							
32988	40453 A, 43120	roll	50	30	-	no	or/red	20
22000	INNOMED HearthMirror IKO 3,	roll	50	25	_	no	or/rod	20
32330	HeartScreen 60 IKO, 60 G	roll	58	25	_	no	or/red	20
32964	HeartScreen IKO 80G-L. 80C-L	roll	80	25	_	no	or/red	10
	HeartScreen 112 C-D	roll	112	23	-	no	or/red	10
	HeartScreen 210	pack	210	150	200		orange	10
33059	ECG-1106G - ECG-1106L	roll	112	25	-		orange	10
	KENZ - SUZUKEN							
	Cardico 302/601	roll	112	27	-	no	or/red	10
	Cardico 302/601	pack	112	90	200	yes	or/red	20
	Cardico 306	roll	80	30	-		orange	10
	Kenz-Cardico 1210, 1211	roll	210	30	-	no	or/red	5
	ECG 305	roll	63	30	-	no	orange	20
52988	103, R50-30R, TEC 8300 LUMED	roll	50	30	-	no	or/red	20
33050	EUROECG 3view	roll	80	30			orango	10
33038	MARQUETTE - HELLIGE - G		80	30	_		orange	10
33010	MAC PC	roll	108	23	_	no	or/red	10
	Case 10-12-15,	pack	215	280	300	hole	or/red	1
	MAC 3000-5000							
32966	Cardiosmart,	pack	210	295	150	yes	or/red	1
	MAC 1200/1600							

GIMA ECG THERMAL PAPERS FOR DIFFERENT ECG BRANDS

_	Olivia ECO		<u> </u>	<u> </u>	V 17	<u> </u>	1 /	<u> </u>	<u> </u>	1 OK D
GIMA	ECG MANUFACTURER	Туре	Width	Length	Sheet	Marker	Grid*	Min.	GIMA	ECG MANU
code	AND MODEL		mm	m				order	code	AND N
33012	MAC 400, MAC 600	pack	80	90	280	yes	or/red	25	32999	Page Writer 1
33013	MAC 800	pack	110	140	200	yes	or/red	25	32997	Touch, TRIM
	MEDIANA									Page Writer 1
33058	YM-303	roll	80	30	-		orange	10		PROGETTI
	MEDICAL ECONET						_		32953	EPG 612
29528	SMART - 3		152	25			green	10	32960	EPG 12 view
32950	Cardio M - Cardio M Plus	roll	215	25	-		orange	5	32964	EPG Project
29522	SMART - 1	roll	215	23	-		green	5	32996	EPG Basik-po
	MEDIGATE									SCHILLER
33058	MeCA 303i	roll	80	30	-		orange	10	33037	AT 1, AT 4
	MINDRAY								32982	AT 2, CS 200
33014	Beneheart R3	roll	80	20	-	no	or/red	10	33038	AT 10
33016	Beneheart R3	pack	80	70	200	yes	or/red	25	32983	AT 101
32966	BeneHeart R12	pack	210	295	150	yes	or/red	1	32984	AT 102
33018	Mindray D60	roll	112	20	-	no	orange	10	33039	AT110, AT 10
	MORTARA						_		32987	Cardiopad, N
33017	Eli 50	pack	50	70	200	yes	or/red	25	33040	MS-2015
33010	Eli 100	roll	108	23	-	no	or/red	10	33041	Cardioart FT/
33019	Eli 210, 250, 280, 350, 380	pack	210	300	250	yes	or/red	1	33042	Cardioart AT/
33020	Eli 150	pack	108	140	200	yes	or/red	25	33043	Cardioart AT/
33021	Eli 230	roll	210	20	-	no	or/red	5		SIEMENS
	NIHON KOHDEN								32990	Cardiostat 1
32988	ECG-6651 - Def. Series TEC	roll	50	30	-		orange	20	32991	Cardiostat 11
	7100 / 7200/ 7300									TRISMED
32994	Cardiofax 5403 - ECG-8240		145	30	-		orange	10	32988	Cardipia 200
33025	Cardiofax 8110, 9620, 1150K	roll	63	30	-	no	or/red	20	32989	Cardipia 200,
33026	Cardio-fax GEM/1250/1950,	pack	210	140	215	yes	white	10	33045	Cardipia 400,
	ECG-9010/9020/9022					,				Cardipia 800,
32962	Cardio-fax GEM/1250/1950,	pack	210	140	215	yes	or/red	10		ZOLL
	ECG-9010/9020/9022					,			33647	R-Series, X-Se
33027	GEM 9010, 9020, 9022, 1250, 1950	pack	110	140	143	yes	white	20		X-Series
33028	1500, 1550, 9110, 9130, 9132, 9320, 2250		210	295	170	yes	white	1		ZONCARE
	PHILIPS	ľ				_			32962	iMac 120 / iMac
32998	Page Writer TC/10	roll	110	25	-	no	or/red	10	32964	ZQ-1203G / iMA

	ECG MANUFACTURER	Туре	Width	Length	Sheet	Marker	Grid*	Min.
code	AND MODEL		mm	m				order
32999	Page Writer TC/50 - TC/70	pack	210	300	200	hole	or/red	1
32997	Touch, TRIM I / II / III,	pack	210	300	100	hole	or/red	1
	Page Writer TC/20, TC/30							
	PROGETTI							
32953	EPG 612	roll	112	23	-	no	or/red	10
32960	EPG 12 view	roll	210	30	-		orange	5
32964	EPG Project	roll	80	25	-		orange	10
32996	EPG Basik-pocket	roll	58	25	-	no	or/red	20
	SCHILLER							
	AT 1, AT 4	pack	90	90	390	yes	green	25
	AT 2, CS 200	pack	210	280	215	yes	or/red	1
	AT 10	pack	210	140	250	yes	green	10
	AT 101	pack	80	70	300	yes	or/red	20
	AT 102	pack	210	280	200	yes	or/red	1
	AT110, AT 10 Plus, AT 2 Plus	pack	210	140	150	yes	green	5
	Cardiopad, MS 2010	pack	114	90	200	yes	green	20
	MS-2015	pack	210	140	180	yes	or/red	5
	Cardioart FT/1	pack	114	150	64	yes	orange	20
	Cardioart AT/1	pack	80	70	300	yes	orange	20
33043	Cardioart AT/102-G2	pack	210	280	100	yes	orange	1
	SIEMENS							
	Cardiostat 1	pack	50	75	400	yes	or/red	20
32991	Cardiostat 11	pack	63	75	400	yes	or/red	25
22000	TRISMED			20				20
	Cardipia 200 / 201N	roll	50	30	-		orange	20
	Cardipia 200, 203N	roll	63	30	-	no	or/red	20
	Cardipia 400, 406RS	roll	110	30	-	no	or/red	10
33047	Cardipia 800, 812RS	roll	215	30	-	no	or/red	5
22647	ZOLL D. Carrier V. Carrier		00	25			de da	10
	R-Series, X-Series	roll	80	25	-		white	10
32964	X-Series	roll	80	25	-		orange	10
22062	ZONCARE		240	1.10	245			10
	iMac 120 / iMac 1500 / iMac 1800		210	140	215		orange	10
32964	ZQ-1203G / iMAC 300 / iMAC 30	roll	80	25	-		orange	10

■ FIAB ECG ELECTRODES WITH OFF-CENTERED SNAP CONNECTION

DISPOSABLE ELECTRODES WITH OFF-CENTERED SNAP CONNECTOR										
GIMA code	FIAB code	Material	Size	Gel	Patient	Minimum order				
33308	F2017P	PE-Foam	42 mm	Liquid	Pediatric	box of 1,000 (20 bags of 50)				
33309	F2017	PE-Foam	50 mm	Liquid	Adult	box of 1,000 (20 bags of 50)				
33310	F2017H	PE-Foam	60 mm	Liquid	Adult large	box of 750 (25 bags of 30)				

All electrodes have silver chloride sensor



■ 3M™ RED DOT™ ELECTRODES

GIMA code	3M code	3M™ RED DOT™ ELECTRODES	Minimum order
	Gel	electrodes - short term diagnostics	
33378	2330	3M™ Red Dot™ - 3.2 x 2.2 cm	bag of 100
		Foam monitoring electrodes	
33293	2570	3M™ Red Dot™ - 4 x 3.5 cm	bag of 50
	N	Ion woven monitoring electrodes	
33299	2248-50	3M™ Red Dot™ - Pediatric - Ø 4.5 cm	box of 50
33297	2239	3M™ Red Dot™ - Ø 6 cm	box of 1,000*

*20 bags of 50 pieces



33378 3M 2330 resting ECG electrode with adhesive gel

33299

backing





33293 3M 2570 electrode with foam tape and sticky gel - radiolucent. 5-days wearing time



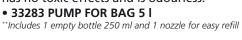
33297 3M 2239 monitoring electrode with micropore tape backing 3-days wearing time

ECG GEL AND SPRAY

- 33266 ECG GEL 250 ml box of 40 tubes
- 33267 ECG GEL 5 I box of 2 bags**
- 33268 ECG SPRAY GEL 250 ml box of 20 tubes

Suitable for non pre-gelled electrodes, ECG latches and pendant switches in any ECG and exertional applications. Allows ECG waves clear transfer to equipment.

It is hypoallergenic, does not irritate skin, does not contain oil and oily substances, does not contain formaldheyde and salt, has no toxic effects and is odourless.





FIAB ECG UNIVERSAL ELECTRODES





dical adhesive solid gel, biocompatible with SSC conductive material 33341



1 mm thick

4 mm plug

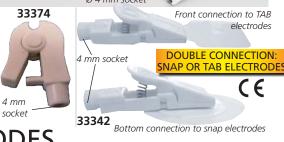
		· All WILL SI	iver chioriae sens	sor ariu s	ыз sпар —				JOCKET #
GIMA	FIAB		U	NIVERS	AL DISP	OSABLE ECG	ELECTRODES - la	atex free	Minimum
code	code	Material	Size	Gel	Shape	Connection	Patient	Application	order
33311	F9046	PE-Foam	28x44 mm	Solid	Rectang.	Snap	Adult, Pediatric	rest, stress, ECG holter	box of 2,000 (20 bags of 100)
33312*	F9046 RM	PE-Foam	28x44 mm	Solid	Rectang.	Carbon Snap	Adult, Pediatric	rest, stress, ECG holter, MRI	box of 2,000 (20 bags of 100)
33313	F9089P-100	Foam	Ø 32x36 mm	Solid	Oval	Snap	Pediatric	rest, stress, ECG holter	box of 2,000 (20 bags of 100)
33314	F9089-100	Foam	Ø 36x40 mm	Solid	Oval	Snap	Adult	rest, stress, ECG holter	box of 2,000 (20 bags of 100)
33370	F9060P	PE-Foam	Ø 40 mm	Solid	Round	Snap	Pediatric	rest, long term, stress, ECG holter	bag of 50
33371	F9060	PE-Foam	Ø 48x50 mm	Solid	Oval	Snap	Adult	rest, long term, stress, ECG holter	bag of 50
33344	F9067	PE-Foam	Ø 48x50 mm	Liquid	Oval	Snap	Adult	rest, stress and ECG holter	box of 1,200 (24 bags of 50)
33326	F2080P	Non woven	Ø 40 mm	Solid	Round	Snap	Pediatric	rest, long term, stress, ECG holter	box of 1,200 (24 bags of 50)
33327	F2080	Non woven	Ø 50 mm	Solid	Round	Snap	Adult	rest, long term, stress, ECG holter	box of 1,200 (24 bags of 50)
33341	F3001ECG	Gelled	34x23 mm	Solid	TAB	Alligator	Adult	rest ECG	bag of 100
33346	F3001ECG	Gelled	34x23 mm	Solid	TAB	Alligator	Adult	rest ECG	box of 5,000 (50 bags of 100)
33343	F3001NECG	Gelled	34x13 mm	Solid	TAB	Alligator	Pediatric, neonatal	rest ECG	box of 520 (13 bags of 40)
33372	F9047/4FL	PE-Foam	28x44 mm	Liquid	Rectang.	Plug 4 mm	Adult	rest ECG	box of 1,000 (20 bags of 50)
33373	F9053N	Foam	Ø 23x30 mm	Solid	Oval	4 mm socket	Pediatric, neonatal	monitoring ECG recording	box of 150 (5 bags of 30)
33377	F9058N	Foam	Ø 23x30 mm	Solid	Oval	1.5 mm socket	Pediatric, neonatal	long monitoring ECG recording	box of 150 (50 bags of 3)
*Dadialus	cont and amag	natic							

*Radiolucent and amagnetic

DAPTORS FOR ECG ELECTRODES







CLAMP AND CHEST TRODES IMB

Silver coated plastic material Universal connection: hole Universal connection -Silver coated plastic material Conform to EN 60601-2 with screw (4 mm) and clip hole with screw (4 mm conform to EN 60601-2-25 and clip CE 33364 20x90 mm 33363 30x130 mm adult clamp pediatric clamp

10 pcs

PVC blue	balls Ø 33 mm –		PVC balls Ø 25 mm
			- Table
	1	19/1	
Floring di		3	de
33324 Electrode Ø 14 mm	33369	33365	33368
Ø 30 mm ^{Ø 14 mm}	Ø 30 mm	Ø 24 mm	Ø 15 mm
4 mm elastic		nm metal connector_	
connector	hole	with screw and clips	5

33374 Grabber adaptor - fit snap electrodes - size 22.5x33 mm

GIMA	UNIVERSAL REUSABLE ECG ELECTRODES	Minimum
code	LATEX FREE - NICKEL FREE	order
	Set of 4 limb clamp electrodes (4 colours) pediatric	1 set
	Set of 4 limb clamp electrodes (4 colours) adult	1 set
33368	Set of 6 chest electrodes Ø 15 mm - silver coated	1 set
33365	Set of 6 chest electrodes Ø 24 mm - silver coated	1 set
33369	Set of 6 chest electrodes Ø 30 mm - silver coated	1 set
33323	Set of 6 chest electr. Ultra Ø 24 mm - silver coated	1 set
33324	Set of 6 chest electr. Ultra Ø 30 mm - silver coated	1 set

AMBU BLUESENSOR ECG ELECTRODES



4 mm	Tab or snap	GIMA code	AMBU code	Description	Application	Gel type	Backing material	Size (mm)	Shape	Shelf life* (month)	Radiolucent	Connector type	Minimum order	Packaging
1	1	33200 33201	SU-00-A/60 SU-00-C/100	BlueSensor SU	Resting	Wet	Polymer	49x33	Teardrop	24	No	4 mm TAB		20 pouches of 60 12 pouches of 100
		33203	L-00-S/25	BlueSensor L	Long-term	Wet	Microporous	68.2x55	Round w/offset	24	No	Snap	box of 500	20 pouches of 25
		33204 33205 33206	VL-00-S/25 VL-00-S/25 VL-00-A/25	BlueSensor VL	Long-term	Wet	Microporous	72x68	Round w/offset	24	No	Snap Snap 4mm	box of 25 box of 500 box of 500	1 pouch of 25 20 pouches of 25 20 pouches of 25
		33208 33209	R-00-A/25 R-00-S/25	BlueSensor R	Stress test	Wet	Foam	57x48	Round w/offset	24	No	4mm Snap	box of 500 box of 500	20 pouches of 25 20 pouches of 25
		33211 33212	M-00-A/50 M-00-S/50	BlueSensor M	Short-term	Wet	Polymer	40.8x34	Round w/offset	15	No	4mm Snap		20 pouches of 50 20 pouches of 50

Exact monitoring - clear picture

BlueSensor electrodes give a fast and reliable

trace without the need for skin preparation,

maximizing comfort for the patient. We know

that fast, exact monitoring that ensures a clear

picture of the patients' heartbeat is essential

Shelf life means maximum life from production date. Average Gima shelf life is 50 to 90% of maximum life

AMBU® BlueSensor

BlueSensor is the world's most time and cost efficient range of electrodes that delivers unmatched readings, user convenience and patient comfort. BlueSensor ensures that you don't get your workflow disrupted by false alarms or have to waste time resolving problems with electrode adhesion.

AMBU® BLUESENSOR SU

- hiahly conductive wet ael
- superior quick adhesion unique offset connector
- fitting or tab
- occlusive backing material - high quality Ag/AgCl sensor

AMBU® BLUESENSOR L

- highly conductive wet gel - combination of instant and
- long-term adhesives
- breathable microporous material
- unique offset connector
- high quality Ag/AgCl sensor

to accurate diagnoses. AMBU® BLUESENSOR VL

- highly conductive wet gel
- combination of instant and long-term adhesives
- breathable microporous material
- unique offset connector

- high quality Ag/AgCl sensor

AMBU® BLUESENSOR R

- highly conductive wet gel - superior adhesion
- comfortable foam backing
- large measuring area
- unique offset connector
- high quality Ag/AgCl sensor



AMBU® BLUESENSOR M

- highly conductive wet gel
- superior adhesion
- occlusive backing material
- unique offset connector
- high quality Ag/AgCl sensor

AMBU WHITESENSOR ECG ELECTRODES



	GIMA code	AMBU code	Description	Application	Gel type	Backing material	Size (mm)	Shape	Shelf life* (month)	Radiolucent	Connector type	Minimum order	Packaging
	53900	4540	WhiteSensor 4540	Resting	Wet	Foam	32x44	Rectangular	24	Yes	4 mm	box of 300	5 pouches of 60
	53902	4200	WhiteSensor 4200	Short-term	Solid	Foam	28x44	Rectangular	30	No	Snap	box of 1200	12 pouches of 100
	53904	WS-00-S/50	WhiteSensor WS-00-S/50	Short-term	Solid	Foam	36x40	Teardrop	30	No	Snap	box of 600	12 pouches of 50
	53906	0315M	WhiteSensor 0315M	Short-term	Solid	Polymer	35x21	Tab	24	Yes	Tab	box of 500	10 pouches of 100
(15th	53910	4500M-H	WhiteSensor 4500M-H	Stress-test Short-term	Wet	Foam	50x48	Round	24	No	Snap	box of 300	5 pouches of 60
	53912	4500M	WhiteSensor 4500M	Stress-test Short-term	Wet	Foam	50x48	Round	24	Yes	Snap	box of 300	10 pouches of 30

Shelf life means maximum life from production date. Average Gima shelf life is 50 to 90% of maximum life

AMBU® WhiteSensor

WhiteSensor electrodes combine versatility with quality and functionality.

The wide range of sizes, shapes, gel types and backing materials makes it easy to choose the optimal device for every situation.

Highly conductive wet gel system which guarantees a fast and accurate trace during 12-lead ECG procedures. Thanks to the strong high-tack adhesive foam, time

AMBU® WHITESENSOR 4540

wasted due to electrode drop-off will be reduced. The radiolucent 4 mm slot connector allows the patient to undergo X-ray and scanner procedures. 5 pieces per card.

AMBU® WHITESENSOR 4200 Conductive solid gel to ensure a good signal quality during shortterm ECG monitoring applications. Thanks to the flexible foam backing material, the electrode ensures ease of use and comfort during application.

Carefully selected features to match each individual situation, covering all patient needs in monitoring. Flexible and reliable materials and adhesives, able to follow skin movements without lifting off, allow both patient comfort and signal quality.

AMBU® WHITESENSOR WS-00-S/50

Highly conductive solid gel with strong adhesion to ensure a good signal quality during short-term ECG monitoring applications. Thanks to the flexible foam backing material, the electrode ensures ease of use and comfort during application.

AMBU® WHITESENSOR 4500M-H, 4500M

It features a wet gel with good adhesion to ensure a good signal quality during shortterm ECG monitoring applications. Thanks to the flexible foam backing material, the electrode ensures ease of use and comfort during application.



AMBU® WHITESENSOR 0315M

Small size tab electrode with solid gel for 12-lead ECG. The fish tail tab design prevents electrode lift-offs even if the adapter kinks. 10 pieces per card.

ECG PATIENT CABLES - COMPATIBLE WITH MOST BRANDS



ECG PATIENT CABLES 10 LEADS

Compatible patient cables for electrocardiography and exercise stress tests. In order to ensure the patient's safety under any circumstance, all our cables have independent defibrillation protection.

Quality is ensured by the design, the manufacturing process and the final tests performed through computerised workstations. Standard cable length 2.2 m (from connector to yoke), chest leads 0.76 m, limb leads 1.2 m. Few cables with 3.5 m length to improve usability



in exercise stress tests.

Multilingual instructions: GB, FR, IT, ES, PT, DE, NL, DK, SE, FI, LT, LV, EE, PL, CZ, SK, HU, SI, HR, RO, BG, GR.

				CONNECTORS TO EC	G		LEADS								
	1		2	3	4	5	BANANA	SNAP							
			Toward P.					100							
Banana Ca 2.2 m	Leads Snap able length 2.2 m	Snap 1* 3.5 m	Connect.	BRAND		CC	OMPATIBLE MODEL								
54000	54001	54022	1	ASPEL	All models with	Dsub connector 15 pins	and screws								
54002	54003	-	2	BIOCARE		00, 300G, 6010, 8080, 3 hannels), 9803, iE101, i	030, 9801, 9803, 9803G, 1200, 30 E300.	000, 3010, 3030, 6010, 1210,							
54002	54003	-	2	BIOLIGHT	BLT-1203, E12A,	E12, E65, E70, E80									
54000	54001	54022	1	BIONET	Cardiocare 2000, Cardiotouch 3000, Cardio 7, Cardio 7_S, Cardiocare 3000_S										
54000	54001	54022	1	BTL	BTL-08 L, M, S series, CardioPoint-ECG C300 and C600, CardioPoint-ERGO C300 and C600										
54004	54005	54020	1	CAMINA-EUROCAMINA	Cardiorapid and CardioSwift series										
54004	54005	54020	1	TRENTINA	AR600, 600adv, 600view; AR1200, 1200adv, 1200view; AR2100, 2100adv, 2100view. Start 100P, 100H, 200, 200HV. Daedalus View, View HES, View Ergo. DOC 101,103; micro, microruler and microtel series; Autoruler series; Excel series: Daedalus 346.										
54006	54007	-	3	CARDIOLINE	Delta 1, 3, 30, 30D, 60, 60D, 1plus, 3plus, 3/6plus. Elan, Elan1100. Delta 60plus, ElanStress										
54004	54005	54020	1		ECG100 and ECG	1200 series. All models	AR600, 1200, 2100; E1, E1R, E3								
54002	54003	-	2	CAREWELL	ECG-1101B/G, -1103B/G/W/L/LW, PCECG-50 and all models with Dsub connector 15 pins (except -1106L, -1112L/M, T10, T12)										
54004	54005	54020	1	COLSON - DUPONT	Cardi-3, E1, E3 Cardiopratique, Daedalus 346. All models of the series: AR, Cardipocket, Cardio, Excel, Autoruler, Microruler. All models with Dsub connector 15 pins										
54002	54003	-	2	COMEN	H3, H12, CM100, 300, 600, 1200, 1200A, 1200B and all models with Dsub connector 15 pins										
54002	54003	-	2	EDAN	SE-1, -3, -3WS, -100, -300, -6, -600, -12, -12 express, -1200, -1200 express, -1010 (not wireless). SE-601A-B-C, -1201, ST-1212, SE-12 express P80, P80six, P80power, P8000, P8000power, P8000 tele, MyCardiopad, MyCardiopad XL, AT-10 plus										
54011	54012	54021	1	ESAOTE	AT-102 plus, Cardiovit M2015 ecc										
54004	54005	54020	1	FARUM	All models with	Dsub connector 15 pins									
54002	54003	-	2	FAZZINI	All models with	Dsub connector 15 pins									
54008	54009	-	4	FUKUDA DENSHI	FX2111, FCP2155		101A, FCP2155, FCP2201A, FCP41 328UY, FX4010, FX7101, FX7102, BU								
54010	-	-	5	GE MARQUETTE		00, 800, 1000, 1100, 12									
54000	54001	54022	2	GIMA	Cardiopocket, Sr ECG, PC-ECG 333	mart SE-1, -3, -6, -12 Exp 320, 33321; Acquisition	oress, Gimaplay 1, Cardiogima 1N box series MGY. All models with	1, 3M, 6M, 12, 12M, Colour Dsub connector 15 pins							
54000	54001	54022	1	INNOMED	Heart Mirror & F	leart Screen series. Car	dio PC/E.								
54002	54003	-	2	INTERMED	ECG-1101B/G, -1 -1112L/M, T10, T		-50, all models with Dsub connec	tor 15 pins (except 1106L,							
54000	54001	54022	1	M4MEDICAL	M-trace PC, EX, 5	5.7", mini									
54000	54001	54022	1	MACQUAIRE	CT-100, -200, -20										
54000	54001	54022	1	MEDICAL ECONET		o-M plus, Cardio-MPC, (
54004	54005	54020	1	MEGOS	connector 15 pin	ns	mp6x12, Comp3, Comp12, Comp	ou and models with Dsub							
54002	54003	-	2	MINDRAY		eHeart R3, BeneHeart R									
54000	54001 54003	54022	2	MORETTI DIMED NIHON KOHDEN	Cardiofax C, Cardi ECG-1350, ECG-135	50A, ECG-135DK, ECG-215	liofax S, Cardiofax V. ECG-1150, ECG 0, ECG-2250, ECG-2350, ECG-9010, E	CG-9020, ECG-9022, ECG-9110,							
54000	54001	54022	1	PROGETTI		and all models with Ds	2, ECG-9620, ECG-9620L, PEA-1110, I ub connector 15 pins	.Cu-u31.							
54011	54012	54021	1	SCHILLER			041105, -6, -10, -10+, -10plus) MS-2007, -2010, -2015	, -102102G2, -60, -100,							
54002	54003	-	2	SINOHERO	SE101, SE505, SE	508, SE600, SE1200, SE	1200 Light and models with Dsub	connector 15 pins							
54002	54003	-	2	SONOSCAPE	All models with	Dsub connector 15 pins	· · · · · · · · · · · · · · · · · · ·								
54002	54003	-	2	SONOSTAR	SE-1 , -1A, -3, -3E	3, -3C, -6, -6A, 12A, -12I	3, -12P, Ebox-1 and models with I	Osub connector 15 pins							
54000	54001	54022	1	SPACELABS	CardioDirect C01	12 US8, CD12-S USB; Ca	rdiotrack 12, Cardiocollect, Voya	ger V6, V12.							
54002	54003	-	2		CardioExpress SL										
54000	54001	54022	1	SPENGLER		ardiomate 6, Cardioma									
54004	54005	54020	1	ST ELECTROMEDICINA			w, ar1200adv, ar1200view	••							
54002	54003		2	ZONCARE	ZQ-1201, -1201G	i, -1203, -1203G, -1203S	, -1206, -1212, IMAC730, IMAC 3	UU							



33968

- 1- Power ON/OFF Switch
- Printer window LCD display
- 3- Menu lever 4-CONTRAST control
- 5- BRIGHT (brightness) control
- 6- FEED button 7- COPY button
- 8- H PRINT button
- 9- OPEN button 10- Paper cutter

• 33968 SONY HYBRID GRAPHIC PRINTER UP-X898 MD black/white

Produces A6 size printings in about 2 seconds, with superb print quality with 325 dpi and grey level of 256 steps. Can take both analogue video and digital signal inputs. 110-240 V AC, 50/60 Hz. Space saving design: 154x240xh 88 mm, for flexible integration into medical carts. Multilingual manual: GB, FR, IT, PT.



- 33993 SONY COLOUR PRINTER UP-25 MD
- 33961 SONY COLOUR PRINTER UP-D25 MD 21x9.8x39.8 cm High quality analogue A6 Dye. Sublimation Printer for use in medical applications. An ideal technology for making high quality, accurate photographic prints. USB port (only 33961) See www.gimaitaly.com

SONY MEDICAL PRINTERS SONY ORIGINAL PAPER



SONY VIDEOPRINTER PAPERS

- 72726 SONY PAPER UPP-110 HD box of 10 rolls High density printing paper - 110 mm x 20 m
- 72727 SONY PAPER UPP-110 HG box of 10 rolls High glossy printing paper - 110 mm x 18 m
- 72728 SONY PAPER UPP-110S box of 10 rolls
- 72729 SONY PAPER UPP-110HA box of 10 rolls
- 72735 SONY COLOUR PAPER UPC-21L (4 ink rolls + 200 supports 144x100 mm)

MITSUBISHI ORIGINAL PAPER





• 72740 MITSUBISHI PAPER K65HM-CE - box of 4 High density, high contrast thermal paper, approximately 215 prints per roll.

COMPATIBLE PAPERS FOR SONY AND MITSUBISHI PRINTERS

ULTRASOUND COMPATIBLE PAPER FOR VIDEOPRINTERS Top quality thermal print media perfectly fitting Sony and

Mitsubishi thermal printers.

Long lasting image durability for high storage durability

- high humidity and heat resistance for long storage

- strong resistance to water, finger prints and ultrasound gel drops.

Precise, high resolution image reproduction

- first class colour intensity for highest black colour density
- outstanding, bright, sharp and detailed medical image
- high glossy, brilliant, photorealistic reproduction Trouble-free printing and long-term use of printer
- easy tearing along the cross direction
- minimum curling for flat photo media and easy
- built-in anti-electrostatic layer preventing thermal head damage.



					₹
GIMA code	Coi SONY	mpatibility MITSUBISHI	Paper grade	Size mm x m	Minimum order
	UPP-110HG UPP-84HG	K91HG/KP91HG	high glossy	110x18 84x12.5	box of 5 box of 10
72748	UPP-110HD - UPP-210HD	- K65HM/KP65HM -	high density	110x20 110x20 210x25	box of 5 box of 5 box of 5
72750 72751	UPP110S -	- K61S/KP61S/KP61B	standard	110x20 110x20	box of 5 box of 5
72752	UPP-845	-	high density	84x13.5	box of 10
72753	ULSTAR-110HD	-	matt	110x20	box of 5

GIMA ULTRASOUND GEL



GIMA code	ULTRASOUND GEL	Minimum order
33269	Sterile ultrasound gel - sachet - 20ml - transp	box of 48
33271	Ultrasound gel - sachet - 20ml - transparent	box of 200
33270	Ultrasound gel - tube 60 ml - transparent	box of 12
33272	Ultrasound gel - tube 250 ml - blue	box of 40
33273	Ultrasound gel - tube 250 ml - transparent	box of 40
33288	Ultrasound gel - bottle 1 l - blue	box of 18
33289	Ultrasound gel - bottle 1 l - transparent	box of 18
33276	Ultrasound gel - tank 5 l - blue	box of 2*
33277	Ultrasound gel - tank 5 l - transparent	box of 2*
33286	Ultrasound gel - bag 5 I - blue	box of 2**
33287	Ultrasound gel - bag 5 I - transparent	box of 2**
33283	Pump for tank 5 l and bag 5 l	

*Includes 2 empty bottles 250 ml **Includes 1 empty bottle 250 ml and 1 nozzle

GIMA ULTRASOUND GEL

Hypoallergenic, water soluble gel suitable for ultrasonography, doppler and defibrillator applications. It ensures the ultrasound waves come to the equipment display in a clear and uninterrupted way. Salt, formaldehyde, fragrance free.



GEL CLEANER

• 33281 GEL PROBE CLEANER 250 ml

It removes the gel left over the probe, makes the image clearer and extends the probe life.

Thanks to the active agents contained, it prevents

the bacteria to pass from patient to patient, and it ensures hygiene. Alcohol-free.



COSMETIC GEL









33256

TECARTHERAPY CREAM

• 33251 TECARTHERAPY CREAM 1 I

It allows to reduce the contact impedance between the probe and the skin.

The high conductivity ensures the best results both in the capacitive phase and in the resistive phase of the treatment.

Preservatives and dyes used are non-toxic.



33251

33281

LEEG PASTE

• 33262 EEG PASTE - 400 g

Used with EEG electrodes in EEG application for brain mapping. Thanks to the active substances in its content, it allows the electrode to cling to the strand of hair easily and provides conductivity. It is hypoallergenic, does not irritate skin, soluble in water and can be cleaned easily. Does not contain oil and oily substances. It has no toxic effects and odour.



KONIX COSMETIC LASER & CAVITATION GEL

Laser & Cavitation gel reduces the pain that patients experience during depilation and makes the device last longer by cooling the device head and window.

Thanks to the vacuum technology, its active substances and its high viscosity preserve probe from damages.

It is not affected by the body salt during the use, ensures an easy application.

Technical properties: it is hypoallergenic, does not irritate skin, is water soluble and easily cleanable.

Oily substances, formaldehyde and salt free.

No toxic effects and odourless.

GIMA code	COSMETIC LASER & CAVITATION GEL	Minimum order
33253	Cosmetic gel - tube 250 ml	box of 40
33252	Cosmetic gel - bottle 1 l	box of 18
33256	Cosmetic gel - bag 5 l	box of 2**
33283	Pump for bag 5 l	

**Includes 1 empty bottle 250 ml and 1 nozzle for easy refill

POCKET DOPPLER WITH INTERCHANGEABLE OR FIXED PROBES



Ultrasound

Frequency: 2, 5 or 8 MHz continuous wave Transducer: 2 crystal narrow beam Output power: <15mW/cm² SATA Audio Response: 300Hz - 4 KHz

Unit Controls
Keys: 1 Key (for unit on/off)
Controls: rotary volume
Indicators: Yellow battery low LED

Power supply
Battery 9V Alkaline (not included)
Expected battery life: >9 hours
Output

Headset: Audio output to optional headset (not included) Material: ABS / Noryl

Size - weight: 150 mm by 75 mm - 299 g Classification: Class I Type B - IEC 60601-I

GIMA POCKET DOPPLERS

Small, lightweight, high sensitivity pocket Doppler. Its probes are ideal for use by a General Practitioner, vascular specialist for routine vascular examination in ER for vessel location, or by specialists in diabetes, urology and gynaecology.

Vascular flow signals and FHR are easily located using the transducer while internal signal processing minimizes noise artefacts.

The flow signal is also available to the user via the built-in loudspeaker with output level controlled by rotary volume control

2 years warranty.
Supplied in a nice bag with probe, cable, gel tube and 7 languages user manual:
GB, FR, DE, IT, ES, GR, PT.



GIMA code	GIMA POCKET DOPPLERS
33120	DOPPLER V2005 with 5 MHz fixed vascular probe
33121	DOPPLER V2008 with 8 MHz fixed vascular probe
33123	DOPPLER V2000 (without probe)
33126	2 MHz interchangeable probe - foetal for V2000
33127	5 MHz interchangeable probe - vascular for V2000
33128	8 MHz interchangeable probe - vascular for V2000
29511	ON/OFF membrane switch spare for 33120/3

SONOTRAX DOPPLERS



29493

probes

29496

Probe not

included

MDR certified

Weight: 290 g (including battery)
Heart rate range: 50-210 bpm
Resolution: 1 bpm

Accuracy: ± 3 bpm LCD display: 45x25 mm (only code 29491-93) Auto average and manual mode

Recording length: 480 s / 240 s Auto power-off to save power Manual: GB, IT - on request: DE, ES, FR, PT.

DOPPLERS AND INTERCHANGEABLE PROBES -GIMA code LATEX FREE 29490 SONOTRAX LITE DOPPLER - without probe - with bag SONOTRAX BASIC DOPPLER - with display - without 29491 probe - with carrying bag SONOTRAX PRO II DOPPLER with backlighted display built-in audio recorder and rechargeable batteries with battery charger without probe - with carrying bag 29499 29496 2MHz waterproof probe - gynaecology 29497 3MHz waterproof probe - gynaecology STATEMENT OF THE STATE OF THE S 29498 4MHz waterproof probe - vascular Campilla 29499 8MHz waterproof probe - vascular 29496 29500 Rechargeable Ni-Mh battery for 29493 - spare

GIMASONIC COLOUR DOPPLER

COLOUR SCREEN POCKET DOPPLER - without probe

- built-in speaker

- TFT-LCD, real-time display of FHR

- three working modes: real-time FHR, average FHR and manual calculation

- display of FHR, bar graph and heartbeat waveform, red alarm for abnormal FHR

 low power consumption, continuously work for more than 8 hours with two "AA" batteries

- indication for probe-off and low battery

- range of probes for foetal or vascular use: 2, 3, 8 MHz probe Suitable for use after the 12th week of pregnancy

Multilingual box and manual:

GB, FR, IT, ES, PT, DE.

29484



29481 Probe not included

TECHNICAL SPECIFICATIONS

Ultrasound working frequency:

Petal heart rate:

range:
resolution:
accuracy:

Alarm:
high limit:
low limit:
120 bpm

120 bpm

120 bpm

120 bpm

Auto power off after 1 minute no signal
Size - weight: 135x92x29 mm - 245 g
Power supply: 2 AA Batteries LR6 - 1.5 V DC

robe: prevent from water splashing, degree of prot

Frobe.	prevent from water spiasning, degree or protection iFA4
GIMA code	GIMASONIC COLOUR SCREEN DOPPLER
29480	GIMASONIC Colour screen doppler - without probe
29481	2 MHz probe - gynaecology
29482	3 MHz probe - gynaecology
	8 MHz probe - vascular

MINDRAY DP-10 AND DP-20 DIGITAL ULTRASOUND SYSTEM

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
- iClear: speckle reduction image
- THI (Tissue Harmonic Imaging) with convex probe 33976 only

Supplied with

1 probe connector,

nd on request

- TSI (Tissue Specific Imaging)
- zoom function: spot zoom, pan zoom
- ExFOV (Extended field of view)

Extended view of the anatomical structure on all convex and linear probes allows to discover better diagnostic information.

- iTouch (Auto image optimization)
- colour map

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

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 (USB , DVD, DICOM)
- exam managing: activate exam

Storage/review mode:

- image archive on hard disk and USB mobile storage medium, temporary saving in cine memory, directly transfer report to PC
- 2 USB ports
- multiple image formats: BMP, JPG, DCM, FRM, AVI, DCM, CIN
- iVision: demo player
- Cine review: auto, manual (auto review segment can be set), supports linked cine review for 2D, M images
- Cine memory capacity (max.)
- clip length presettable: 1-60 s

Supplied with GB, IT manual and CD manual (GB, FR, IT, ES, PT, DE, RU, BR).

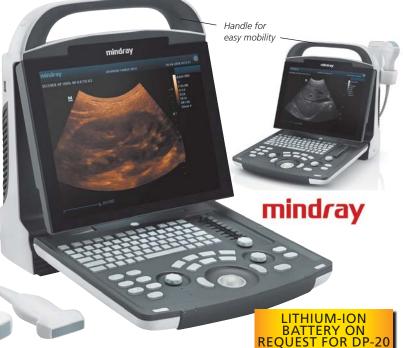
DE, KU,	BK).													
GIMA code	DIGITA	L ULTRAS	ONIC DIA	GNOSTIC	11	VI A	١GI	NG	SY	′ S1	E	√I		
33989	high reso	DP-10 B/V lution LED UT, 1 S-Vic	monitor,	2 USB por	t,	1 ۱	/G/	٥ <i>۵</i>	UŤ	рс				
33991	MINDRAY DP-20 portable B/W system with 1-probe connector, 12.1" high resolution LED monitor, 2 USB port, THI, iStation™, software package, without probe													
	PW DOPPLER - optional for old models													
33969	PW (Pulse Wave) doppler for 33970, 33971 (usable with probes 33976, 33977 only)													
	ACCESSORIES													
33875 33876 33974 33985 33986 33968	Needle guided brackets for Linear probe (33977) Needle guided brackets for Micro-Convex probe (33979, 33984) Lithium-ion rechargeable battery for DP-20 Carrying bag for DP-10, DP-20, DP-30 UMT-110 mobile trolley for DP-10, DP-20, DP-30 SONY HYBRID GRAPHIC PRINTER UP-X898 MD													
PROB	ES DP-10	- DP-20	FREQUEN	ICY (MHz)		(• M	ain a	ppli	icat	ion			
GIMA code	Mindray code	Scanning method	Main freq.	Probe band width	ABDOMINAL	OB / GYN	UROLOGY	SMALL PARTS	MSK	VASCULAR	PEDIATRIC	ORTHOPEDICS		
33976 33977	35C50EB 75L38EB	Convex Linear	3.5 7.5	2.0 - 5.0 5.0 - 10.0	•	•	•	•	•	•	•	•		

6.5

6.5 3.5 5.0 - 8.5 5.0 - 8.5

2.0 - 5.0 • •

5.0 - 10.0 •



iScanHelper function

Dedicated inbuilt tutorial function to enhance ultrasound experience.

- wide selection of application specific exam planes
- anatomical illustrations scanning reference pictures
- standard ultrasound images tips on scanning and diagnosing

Standard PW doppler imaging usable with all probes

It allows to access blood flow in different clinical conditions. With PW, doctors will be able to:

- differentiate non echoarea and blood vessels
- distinguish arteries and veins
- evaluate blood flow velocity for more comprehensive diagnosis
- check the health of a fetus by blood flow evaluation of the umbilical cord

System configured with DICOM modules

It allows to perform storage, print, Worklist, storage commitment, retrieve applications when it is connected to the relevant DICOM servers.

Features

Parameter adjustment: Gain, Sample volume size, Scale, Steer, Dynamic range, Wall filter, etc.

Measurement: Trace, HR, Velocity, PS/ED, PI, RI, etc. MDR certified.

TECHNICAL SPECIFICATIONS Dimension: 16.7x29xh 35.4 cm (6.57"x11.4"xh 13.8") Weight: 5.4 kg Display: 12.1" LED, high-resolution 1024x768 Display language: DP-10, DP-20: GB, FR, DE, IT, ES, PT, RU, CZ, PL Power: AC100-240 V, 50-60 Hz

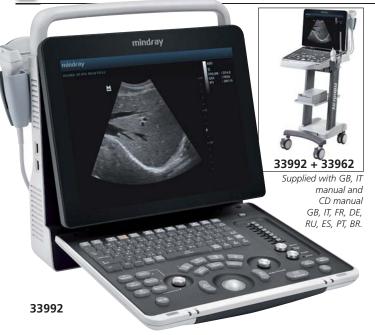


33978 65C15EA Micro-convex

33979 65EC10EB Micro-convex

33980 35C20EA Micro-convex **33983** 75L53EA Linear

MINDRAY DP-50 EXPERT ULTRASOUND DIAGNOSTIC SYSTEM



• 33992 MINDRAY DP-50 EXPERT PORTABLE ULTRASOUND with 15" high resolution LCD monitor, 2 probe connectors, 500GB 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 Trapezoid imaging

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

500 GB integrated hard disk for storage
 4 USB ports
 Cine memory capacity (Max.) B mode: 10566 frames

M mode: 66.3 s

PW (Pulse Wave) and DICOM included MDR certified.

TECHNICAL SPECIFICATIONS

Display:

Display language: GB, FR, IT, ES, PT, RU, PL, CZ, TR, FI, DK, NO, SE, DE Power

AC 100-240 V - 50/60 Hz

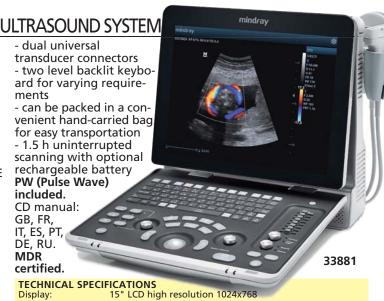
rechargeable lithium-ion battery - on request Size and weight: DP-50 Expert 14.7x36.1xh 35.8 cm - 8.1 kg

MINDRAY Z50 COLOUR DIAGNOSTIC ULTRASOUND SYSTEM

• 33881 MINDRAY Z50 COLOUR PORTABLE ULTRASOUND with 15" high resolution LCD monitor, 2 probe connectors, 500GB hard disk, 4 USB ports, multiple software package, without probes.

A colour doppler system that offers a rare combination of high performance and low cost. Superior image quality, affordability, versatility and mobility in a unique portable Doppler system.

- scanning modes: B, Colour, PW, Power, M, FreeXros M image display modes: B, 2B, 4B, B/C, B/M, B/PW, Triplex PW applications: ABD/OB/GYN/CAR/SML/URO/VAS/ORTH/EM/NERVE
- transducer variety: Convex, Linear, Micro-convex, Endocavity
- extended scanning angle with ExFov function
- high frequency linear probe for superficial scanning Productivity
- iTouch: quick image optimization with one-click
- iZoom: instant full screen zoom with one-click
- iStation: patient database review and analysis platform
- iStorage: direct data transfer to PC
- Clipboard: easy play, preview and sharing of cineloop
- Multiple image formats: BMP, JPG, DCM, AVI, DCM, CIN
- compact and streamlined design weighing 8.1kg
- 15" LCD monitor with 60 degree tilt function



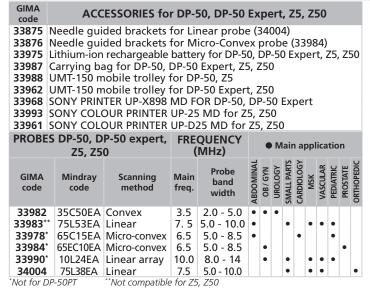
Software display + keyboard input: GB, FR, IT, ES, PT, RU, PL, CZ, DE

TR, FI, DK, NO. SE Keyboard input:

Power: AC 100-240 V - 50/60 Hz; rechargeable lithium-ion battery - on request

Size - weight: 14.7x36.1xh 35.8 cm - 8.1 kg

PROBES AND ACCESSORIES FOR DP-50, DP-50 EXPERT, Z5, Z50







ECO2 Powerful and affordable B/W system ECO3EXP. Premium Black&White Model with Doppler,

- ultra-compact and ultra-light weight, easy to carry
- latest LED screen technology, super bright images allow to easily view scan even outdoor
- ergonomic monitor design, 30 degree rotation, adjustable
- ultra-long battery life up to 2.5 hours, for outdoor scanning
- one-key to enlarge image to full screen, easy to view from distance
- streamlined workflow, easy to operate, 6-one-key to finish the cycle of diagnosis.

Display modes and imaging processing

B, B/B, 4B, M, B/M, PW multi-frequency imaging.

Imaging processing

- compound Imaging
- i-image intelligent image optimization
- THI (Tissue Harmonic Imaging)
- SRA (Speckle Reduction Algorithm)
- full digital beam-former
- full screen display

- trapezoidal
- automatic PW trace
- Chroma
- AIO (Automatic Image Optimization)

User interface

- fold-up control panel and alphanumeric keyboard
- back-lit keyboard for good visibility in dark room
- indicator lights identify activated keys
- 8 TGC slides for easy adjustment
- short cut knob for quick adjustment (hot key user- defined)
- neat and clear keyboard layout, doctor can remember easily
- interactive back-lighting - user defined preset

Streamlined workflow, one key to:

- select desired application with automatic preset
- optimize the image automatically (AIO) make report
- save still image and cine loop
- print to PC printer* (laser or inkject) or video printer See list of compatible printers on our websites

EASYVIEW™ Archive system

- image archive on hard disk and USB mobile storage
- multiple image formats: BMP, JPG, DCM, CIN, AVI
- cine review: auto, manual (auto review segment can be set) for 2D, M, PW images
- cine memory capacity (256 frames/10s)
- 3 USB ports

PW (Pulse Wave) included

IEC 60601-1, IEC 60601-1-1 Electrical medical equipment,

IEC 60601-1-2 Electromagnetic compatibility,

IEC 60601-1-4 Programmable medical systems,

IEC 60601-2-37

12" high resolution LED monitor - B&W 12" high resolution LED monitor - colour 8G memory card Hot Key PC printer connection 3 USB port, 1 ethernet port 1 video out port, 1 VGA out port, 1 footswitch port Full screen display 2.5 hours rechargeable lithium-ion battery optional Power adaptor Standard software package Easy View image archive system PW (doppler function to detect blood flow speed) **TECHNICAL SPECIFICATIONS** 33.5x15.5xh 35 cm (13.2"x6.1"xh 13.8"); 6 kg Dimension and weight: 12" LED, high resolution 1024x768 Display: Power: AC 100-240 V - 50/60 Hz rechargeable lithium-ion battery (ECO2 optional, ECO3EXP. standard) LANGUAGE - switchable by user

33862 CHISON ECO2 with 1 probe connector without probe

33864 CHISON ECO3EXP. with 2 probe connectors without probe

STANDARD PACKAGE

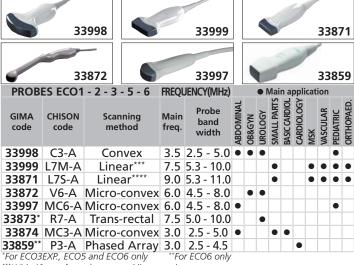
FCO2

FR ES PT DE PL CZ TR CN RU

ECO3EXP.

ECO5/6

PROBES AND ACCESSORIES FOR CHISON ECO SERIES



***With 40 mm footprint, general linear probe

GB

Software

User manual

****With 30 mm footprint for superficial tissue exams with higher resolution

GIMA **ECO SERIES ACCESSORIES** code 33869 Rechargeable lithium-ion battery BT-2500 (2.5 hours) 33867 ECO trolley TR-9000 33868 Carrying bag 33866 Needle guided brackets - specify 33868 for which probe (for 33998-9 only) **PRINTERS** 33968 SONY UP-X898 MD B&W printer (for ECO1, ECO2, ECO3EXP.) 33865 33993 SONY UP25MD colour printer (for ECO5, ECO6) 33867 33961 SONY UPD25MD colour printer (for ECO5, ECO6) 33993 33968

CHISON ECO5 AND ECO6 COLOUR DIGITAL ULTRASOUND SYSTEMS



• 33865 CHISON ECO5 Colour Doppler 12" high resolution LED monitor, 8G high speed memory, 3 USB ports, 2 probe connectors, EASYVIEW™ archive system, without probe • 33858 CHISON ECO6 Colour Doppler 12" high resolution LED monitor, 8G high speed memory, 3 USB ports, 2 probe connectors, EASYVIEW™ archive system, without probe, with optional cardiac package, Super Needle, Auto IMT.

Imaging modes: B, B/B, 4B, B/M, M, CFM, PW (ECO 5 and ECO6) PD, DPD, B/BC, Triplex (only ECO6) Imaging processing:

MCI (Multiple Compound Imaging)

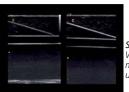
- i-image intelligent image optimization
- THI (Tissue Harmonic Imaging) - SRA (Speckle Reduction Algorithm)
- full digital beam-former
- full screen display mode
- AIO (Automatic Image Optimization) automatic PW trace Other specifications as ECO3EXP.

riplex - standard Triplex combines B colour, with PW to help the user make diagnosis more convenient and accurate, improving efficiency.

ECO6 EXCLUSIVE FEATURES

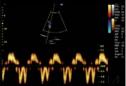


Auto IMT Function - optional (code 33861) Automatically traces the intima and measures its thickness faster, more easily and more accurately.



Super Needle - optional (code 33860) With Super Needle, clinicians can see needle inside tissue more clearly during medical procedures. Needle angle up to ±30°

Continuous Wave (CW) Doppler - optional (code 33859) Detect blood flow with high velocity and help doctors diagnose with more clinical information



Tissue Doppler Imaging (TDI) - optional (code 33859)

New echocardiography technique that directly measures myocardial velocity. Systolic TD measurements assess left and right ventricular myocardial contractile function. Diastolic TD values reflect myocardial relaxation.

33859 CARDIAC PACKAGE: PROBE + CW + TDI - optional • 33860 SUPER NEEDLE - optional • 33861 AUTO IMT - optional

ACCESSORIES AND PROBE see page 341

			LAN	GUA	GE -	switc	habl	e by	user			
User manual • •						TR	CN	RU				
Software	•	•	•	•	•	•	•	•	•	•	•	
User manual	•	•								•		
TECHNICAL SPECIFICATIONS												

Size - weight: 33.5x15.5xh 35 cm (13.2"x6.1"xh 13.8") - 6.5 kg Display: 12" LED, high-resolution colour 1024x768 Power:

AC 100-240 V, 50-60 Hz; Rechargeable Li-ion battery 14.8 V 4400 mAh

CHISON QBit5 ECOCOLOURDOPPLER

- B/BC

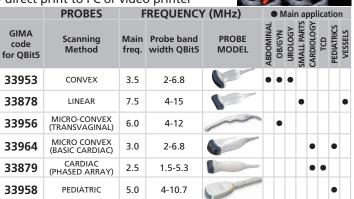
- CFM

trapezoidal

- Chroma

• 33877 QBit5 ECOCOLOURDOPPLER - 15" flat high resolution LED monitor. Supplied with 2 probe connectors and 1 parking probe connector, trolley, keyboard, large image storage: 32 GB HardDisk, 6 USB ports, VGA format, without probes. Affordable and reliable colour doppler with advanced technologies: compound imaging, quad beam former imaging, Q-image, Q-flow, X-contrast providing superb images. The Streamlined workflow and ergonomic outlook design improve work efficiency. **Imaging modes:**

- Power Doppler / Directional PD
- PW mode - CW mode - full screen Four chambers view, B/BC mode
- B, 2B, 4B, B/M, M - duplex, triplex
- chroma B/M/PW/CW
- trapezoidal on linear probe Image processing technology:
- Speckle Reduction Algorithm (SRA)
 direct print to PC or video printer



- Automatic Image Optimizaton (AIO)
- Fusion Harmonic Imaging (FHI)

Special radiology function:

2D steer and super needle (optional) Phased array probe and package

Phased array probe functions include CW, TDI, ECG, Colour M and complete calculation packages including PISA/Dp/Dt

• 33993 SONY UP - 25 MD COLOUR PRINTER A6 for i3, i8, QBit5 • 33961 SONY UP-D25 MD COLOUR PRINTER for i3, i8, QBit5





SONOEYE: 4 DIGITAL COLOUR DOPPLER PALM ULTRASOUND SYSTEMS

Type BF

Cable

length 3m

buttons for customized

functions.

save,

33916

SONOEYE

IS SUITABLE FOR

HUMAN OR VET

gain, depth, focus, freeze,

SonoEye hand-held ultrasounds help healthcare professionals to provide high quality patient care in any location. System works connected to smartphones or tablets. Adaptable design, similar to a pad or mobile phone, increases its portability.

- light: half weight of a phone, small volume

- multiple devices: connection with smartphones or tablets

- waterproof: IPX7, free cleaning and sterilization

- use anywhere: multiple fast solution

- thumb-play: one touch to start and finish the operation, easy to use.

SonoEye is intended for diagnostic ultrasound imaging in B-Mode, M-Mode, Colour

Doppler, Power Doppler, Directional Power Doppler, Pulsed Wave and Fusion Harmonic Imaging modes. Available in 4 different models:

SonoEye P2 Linear Array indicated for Small Organ, Musculoskeletal (MSK), Nerve, Lung, EM, Vascular.

SonoEye P3 Phased Array indicated for Abdominal, Cardiac, Lung, EM.

SonoEye P5 Convex indicated for Abdominal, OB/GYN, Urology, Lung, EM.

SonoEye P6 Micro Convex indicated for Pediatrics and Neonatal Abdominal, Cardiac and Veterinary imaging

applications.



33915 Phased Array



33916



33917



93/42/EEC EN 60601-1 **(€ 0197**

continuous operation

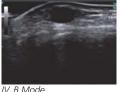
Basilic vein C Mode



Cardiac B Mode



Carotid PW Mode



IVC B Mode



Ulnar Nerve B Mode

	SONOEYE PA	LM U	LTRASOU	N) S	Y	STI	ΕN	١					
		Freque	ncy (MHz)	8				ΙAΓ	_	≻	RTS		U	₹
GIMA code	Scanning Method	Main freq.	Frequency range 7.0-12.0	VASCULA	MSK	NERVE	LUNG	ABDOMIN	OB/GYN	UROLOG	SMALL PA	EM:	CARDIA	VETERINA
33914	P2 Linear	7.5	7.0-12.0	•	•	•	•				•	•		
33915	P3 Phased Array	3.0	2.5-4.0				•	•				•	•	
33916	P5 Convex	3.5	3.0-5.0				•	•	•	•		•		
33917	P6 Micro-Convex	6.5	6.0-10.0					•					•	•
	TAB	LET FO	OR SONO	ΕY	Е									

33918 Tablet for SonoEye EM: Emergency medicine



CHISON

Sonoeye carrying case



Light Half weight of a phone, highly integrated design, less volume.

agA

33914

SonoEye works with SonoEye App for Human or Vet, free to download on www.chisonsonoeye.com

Human and Vet use

All SonoEye probes can be used on human or animals based on selected App.

Supplied with carrying case and manual (GB, IT).

COMPATIBILITY

Model Smart Phone: HUAWEI P30 Pro, HUAWEI iV30, Xiaomi RedmiNote 8Pro (continuously updated) HUAWEI MatePad (BAH3-W59), HUAWEI MatePad Pro (MRX-W09), TECLAST T30, TE-CLAST T30 Pro, TECLAST M40 Air, Samsung Galaxy Tab S6 (SM-T860), Honor ViewPad V6, Honor ViewPad V7, Xiaomi Pad 5, Xiaomi Pad 5 Pro 12.4" (continuously updated) Smart Pad:

TECHNICAL SPECIFICATIONS

Model 33914 33915 33917 Micro-Convex Probe Type: Linear Phased Array Convex Central frequency: 7.5 MHz 3.0 MHz 3.5 MHz 6.5MHz Frequency Range: 7.0-12.0 MHz 2.5-4.0 MHz 3.0-5.0 MHz 4.0-10.0 MHz Scanning Depth: 1.0-14.8 cm 4.9-22.7 cm 3.8-37.3 cm 4.4-20.2 cm Footprint*: 40 mm (43.5x9 mm) 18x12.5 mm R50 (56.98x12.5 mm) 51.17x11 mm NA 59 degree FOV: 90 degree 93 degree Support Mode: B, M Mode, Colour Doppler, Power Doppler, DPD, PW Mode Doppler: Image Optimal: A/O, dynamic range, 2D map, chroma, persistence, line density, compound-64x173x24 64x174x24 Dimensions mm: 64x172x24 Weight without cable: 130 a 124 a 143 a 138 a

Multiple device Sonoeye provides a flexible connection with smart phone or pad.





VIATOM WIRELESS HANDHELD ULTRASOUND SCANNERS



WIRELESS HANDHELD ULTRASOUND SCANNERS

Easy to use wireless handheld ultrasound scanners. Medical staff can manage and share ultrasound scan results with patients through ultrasound software anytime, anywhere. Doctors can save cases and print reports with one click. High speed frames per second to get any small detail in maximum clarity for a quick diagnostic imaging.

- wireless connectivity, compatible with tablets and smartphones (iOS, Android)
- built-in and replaceable battery
- wireless charging support
- advanced digital imaging technology for clear images
- cost-effective and easy to carry
- suitable for hospital, émergency, clinic, outdoor
- intelligent terminal platform, powerful expansion functions on application, storage

 Dual head ultrasound scanner (33932)

Interchangeable linear and convex heads by simply flipping around the device.

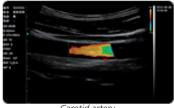
3 in 1 ultrasound scanner (33934)

Linear + Convex + Phased Array (Cardiac) Probe, it can realize transition from shallow to deep scan without switching. Ultra-wide frequency coverage and scanning depth are suitable for whole body examination. Ultra-clear image and ultra-long standby ≥12h with 4200 mAh. 3.7V super-large lithium battery. Built-in independent Wi-Fi module, which can realize delayfree image transmission without the external network, reduce data transmission delay and improve image clarity. Scanning parameters can be adjusted via a simple and intuitive





multi-touch interface: adjust depth, gain, power and color. All models have manual GB, IT.





Carotid artery

Kidney

	VIATOM ULTRASOUND SYSTEM																
GIMA code	Scanning Method	Frequency range (MHz)	VASCULAR	MSK	PEDIATRICS	BREAST	THYROID	CAROTID	SMALL ORGANS	DNNT	ABDOMEN	CARDIAC	GYNECOLOGY	OBSTETRICS	UROLOGY	KIDNEY	ARTERIES
33931	Linear	7.5-10	•	•	•	•	•	•	•								
33932	Linear	7.5-10	•	•	•	•	•	•	•								
	Convex	3.5-5								•	•	•	•	•	•	•	
33934	Linear	7.5-10	•	•	•	•	•	•	•								
	Convex	3.5-5								•	•	•	•	•	•	•	
	Cardiac	2.5-5	•									•					•

STANDARD ACCESSORIES						
3931	33932	33934				
•	•					
•	•	•				
•	•	•				
		•				
		•				

MAIN USE OF ULTRASOUND PROBES

Linear probe:

Suitable for the examination of superficial organs such as breast, thyroid, lymph nodes, etc. and blood vessels such as a carotid artery, upper extremity artery, lower extremity artery and other small organs, musculoskeletal examination.

Convex probe:

Suitable for abdominal and pelvic organ scanning, FAST scanning, pleural effusion scanning and lung ultrasound scanning. Cardiac probe: Suitable for cardiac ultrasonography of the heart, thoracic arteries and of intracranial blood vessels.

		TEG	CHNICAL SPECIFICATION	NS		
Model	33931	33	932		33934	
Probe type:	Linear	Linear	Convex	Linear	Convex	Cardiac
Frequency range:	7.5-10 MHz	7.5-10 MHz	3.5-5 MHz	7.5-10 MHz	3.5-5 MHz	2.5-5 MHz
Scanning depth:	20/40/60/100 mm	20/40/60/100 mm	90/160/220/305 mm	20~80 mm	90~305 mm	90~160 mm
Head width:	40 mm	40 mm	45 mm	1	60 mm	
Doppler:	B, BM	⊢ B, B/M, B+colo	ur, B+PDI, B+PW ———	—	B/BM/Colour/PDI/PW	
Battery life:	3~5 hours		hours —	1	3 hours	
Charging time:		2 hours		-	3 hours	
Size:	-	—— 15.6x6x2 cm ——		H	—— 15.7x7x3 cm ——	
Weight:	230 g		0 g —	H	—— 220-250 g ——	
Image						
Measure:	Length,	Area, Angle, Heart Rate,	Obstetrics —	⊢Distance, Area, Circumf	erence, Angle, Heart Rate, T	ime, Velocity, S/D, Depth →
Format:	-	—— JPG, AVI, DICOM —		⊢JF	PG, PNG, AVI, MP4, DICO	M
Frame rate:	-	——18 frames/second—		-	— 31 frames/second —	-
Image adjust.:	—	— В	Gain, TGC, DYN, Focus, I	Depth, Harmonic, Denoi	ise ———	

GIMA 900 PRO AND PLUS VITAL SIGNS MONITORS

• 35124 GIMA 900 PRO VITAL SIGNS MONITOR

• 35132 GIMA 900 PLUS VITAL SIGNS MONITOR

"Vital Signs" is a line of small multi-parameter patient monitors, which can monitor the vital physiological parameters: non-invasive blood pressure (NIBP), pulse oxygen saturation (SpO₂), electrocardiogram (ECG) and temperature (TEMP).

- 3.5"LCD display for remote review (GIMA-900 Pro), and 7" high resolution touch screen (GIMA-900 Plus)

history data records reviewed in waveform,

list and trend graph

Optional printer

- USB connection for data download through integrated software (GB)

GIMA code		ACCESSORIES AND SPARES
35133	Printer	*- optional *Installation done by Gima if ordered with
35141	Paper 5	*- optional *Installation done by Gima if ordered with monitor. Need service if ordered later. 5.1 cm x 12 m - box of 5
35129	Lithium	re-chargeable battery - spare for 35124, 35132
35135	Reusab	ole adult SpO, probe - spare
		ole pediatric ŠpO, probe
		ECG cable - spare
35127	Trolley	- adjustable 73 to 113 cm
35128	Rail cla	mp 35127
For 900 Pro	For 900 Plus	NIBP CUFF
35140	35050	NIBP cuff - 10-19 cm - pediatric
35142	35051	NIBP cuff - 18-26 cm - pediatric XL
35139	35052	NIBP cuff - 21-35 cm - adult
35143	35053	NIBP cuff - 27-42 cm - adult XL
		STANDARD ACCESSORIES
- Adult S		STANDARD ACCESSORIES

- Power supply cable

- Dust protective mantle

- Manual (GB, FR, IT, ES)

- Adult SpO₂ probe
- NIBP adult cuff
- Temperature probe skin type
- ECG cable + 10 ECG electrode

NIBP Measurement range:

Measuring method: Oscillometric Measurement mode: Manual, Auto, STAT ECG

Press(unit) Adult | Pediatric | Neonate SYS mmHg 40-275 40-200 40-135 MAP mmHg 20-230 20-165 20-110 DIA mmHg 10-210 10-150 10-95 SpO.

Measuring range: 35%~100% Measuring accuracy: 3% for range from 70 to 100%

Low perfusion performance: as low as 0.4%

Pulse Rate 30~240 bpm Measuring range:

code

35124 **TECHNICAL SPECIFICATIONS**

ECG+TEMP

Measuring accuracy: ±2 bpm or ±2%, whichever is greater

TOUCH SCREEN

35132

HR display range: 15~350 bpm HR display accuracy: ± 1% or ± 2 bpm, whichever is greater HR alarm delay time: ≤10s

Sensitivity selection: x1/4, x1/2, x1, x2 Sweeping speed: 25 mm/s Temperature

Measuring range: 21-50°C Measuring accuracy: ±0.2°C for range 25-45°C

Other Technical Specifications Power supply: 100~240 VAC, 50/60 Hz Battery: 11.1 V / 4,400 mAh (Li-ion Battery) Size: 168x172xh 242 mm

PC-3000 MULTI-PARAMETER PATIENT MONITOR



• 35134 PC 3000 MULTI-PARAMETER PATIENT MONITOR

- 7" high resolution colour TFT display, 5-channel waveform display

- standard parameters: ECG, RESP, SpO₂, NIBP, TEMP, PR; Arrhythmia analysis and ST segment analysis

- up to 12,000 groups parameter data & 60-hour ECG waveform storage and recall

1,000-hour graphic and tabular trends for all parameters

- 7-channel ECG simultaneous waveforms display

- protection against interference from defibrillator, electrosurgical knife

- adult / pediatric measurement modes

- visual and audible alarms;

- carrying handle with bed-hooks

Internal software: GB, IT, FR, ES, PT, PL, CZ, TR, CN.

STANDARD ACCESSORIES

1 ECG cable 1 NIBP cuff 10 Disposable electrodes 1 Adult SpO, probe 1 Li-ion battery* 1 Body surface temperature transducer 1 AC power Adapter 1 Power cable User manual: IT, GB, FR

About 3 hours continuous working when battery is fully charged

GIMA **ACCESSORIES - SPARES**

35135 Adult SpO₂ probe - spare 35136 Pediatric SpO₂ probe 35137 5 leads ECG cable 3.75 m - spare

35138 Li-ion battery - spare

35140 NIBP cuff 10-19 cm - pediatric 35142 NIBP cuff 18-26 cm - pediatric XL **35139** NIBP cuff 21-35 cm - adult - spare

35143 NIBP cuff 27-42 cm - adult XL 35144 Carrying bag

35160 AC power adapter + cable - spare 35163 Carrying handle - spare

TECHNICAL SPECIFICATIONS

Adult mode: <180mmHg Adult mode: 300mmHg

Adult: 40-225 mmHa

Adult: 20-215 mmHg Adult: 10-195 mmHg

Manual, Auto, STAT

Systolic ±10%

1-240min

0 - 100 %

70%-100% ±3% 0.4 - 5 %

0 - 250 bpm ±2 bpm

NIBP Monitoring Measuring method: Initial cuff inflation pressure: Overpressure protection limit: Measuring range

Systolic pressure: Diastolic pressure: Mean arterial pressure: Measurement accuracy: Measurement mode:

Automatic measuring: TEMP Monitoring Measuring range, accuracy: 21.0 - 50.0 °C, ±0.2°C
SpO, & Pulse Rate Monitoring
Transducer: dual-wave length LED

SpO, measuring range: Accuracy: Low perfusion capability: PR measuring range: ECG Monitoring

Heart rate measurement: Heart rate display range: Heart rate alarm delay time: Sensitivity selection:

Auto, ×1/4, ×1/2, ×1, ×2, ×4 Sweeping speed: 12.5 mm/s, 25 mm/s, 50 mm/s Common-mode rejection ratio: ≥89 dB

Frequency response mode: Monitoring: 0.5 - 40 Hz
RESP Monitoring Monitoring range, accuracy: RESP alarm range: Other Technical Specifications

100 - 240 Vac, 50/60 Hz - 60 VA Power supply: Networking port: serial/Net port IEC 60601-1 Class I, type BF, IPX2



Infant: 40-200 mmHg

Infant: 20-165 mmHg Infant: 10-150 mmHg Ilic ±10% MAP ±10%

Wide option of screen views available

±0.4 mVp - ±5 mVp views available 15 - 350 bpm ±1% or ±2 bpm whichever is greater ≤10s

tolerance: ≤5% tolerance: ≤10%

Diagnostic: 0.05 - 75 Hz

Automatic measurement by oscillating method Adult mode: <180mmHg infant mode: <120mmHg Adult mode: 300mmHg Infant mode: 240 mmHg

Diastolic ±10%

0 - 120 rpm, $\pm 5\%$ or 2 rpm, whichever is greater 0 - 100 bpm $\pm 10\%$

Norms

■ UP 7000 MULTI-PARAMETER PATIENT MONITOR



• 35145 MULTI-PARAMETER PATIENT MONITOR ECG, RESP, SpO., 2 TEMP, PR, NIBP with printer

- 12.1" high resolution colour TFT display with LED backlight
- 3 channel ECG amplification
- arrhythmia analysis and ST segment analysis
- up to 2,000 groups parameter data & 24-hour ECG waveform storage and recall
- 2,000-hour graphic and tabular trends for all parameters
- 9 trace ECG waveforms simultaneous display
- protection against interference from defibrillator
- adult/pediatric/neonate measurement modes
- visual and audible alarms
- built-in rechargeable lithium battery
- built-in thermal printer
- multilingual internal software: GB, FR, IT, ES, PT, PL, TR, RU, CN

Till S.N.	From S.N.			DO DDODEC	
J3300RF01475	J3300SE01687			SPO ₂ PROBES	
	0=000	 1	_	 2522	_

35135 35329 Adult SpO₂ probe - spare - 35329 needs 35324 **35328** Pediatric SpO₂ probe - optional - 35328 needs 35324 - **35324** Extension cable for 35328, 35329

STANDARD ACCESSORIES

- Adult SpO₂ probe
 NIBP adult cuff
 Printer
 Disposable electrode
 Dust-protective mantle
- Temperature probe skin Power supply cable Manual (GB, IT) ECG cable 5 leads (RA LA LL PL C)

TECHNICAL SPECIFICATIONS

NIBP Monitoring - Oscillometric
Measuring range: Systolic pressure: Diastolic pressure: adult: 40~275mmHg 10~210mmHg 20~230mmHg pediatric: 40~200mmHg 10~150mmHg 20~165mmHg neonatal: 40~135mmHg 10~95mmHg 20~110mmHg

TEMP Monitoring

Measuring range: 21.0°C~50.0°C ±0.2°C

Response time: ≤ 150 sec

SpO, & Pulse Rate Monitoring
Input dynamic range: 0%~100%

PR measuring range: 0bpm~250bpm

ECG Monitoring
Input dynamic range: ±0.5mVp~±5mVp

HR measuring range: ±15bpm~350bpm

HR measuring range: 15bpm~350bpm

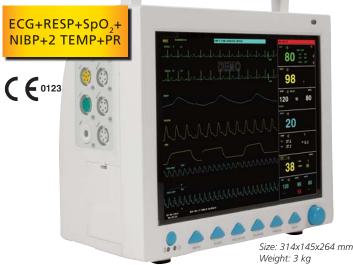
RESP Monitoring

Measuring method: Thoracic impedance
Monitoring range: 0rpm~120rpm, ±5% or ±2rpm whichever is greater

Other Technical Specifications
Power supply: 100~240Vac, 50/60Hz, consumption; <80 VA

Power supply: 100~240Vac, 5 Networking port: Ethernet port

NEW CMS 8000 CONTEC PATIENT MONITOR



• 35152 NEW CMS 8000 PATIENT MONITOR ECG, RESP, SpO₂, PR, NIBP, DUAL CHANNEL TEMP

- 12.1" TFT colour LCD display
- multilingual interface (GB, ÍT, FR, DE, ES, PT, NL, PL, CZ, TR, RO, RU)
- adult/pediatric/neonate measurement modes
- 8 channel waveform synchronous display
- 7 lead ECG waveform on one screen
- anti-motion, anti-ambient light interference digital $\ensuremath{\mathsf{SpO}}_2$ technology
- AC/DC rechargeable lithium battery
- manual/AUTO/continuous NIBP measurement mode
- standard/OXY- graph/Trend-graph/big characters and view bed interfaces

For new 35152	For old 35151	ACCESSORIES AND SPARES
35153	35149	Adult SpO, probe - 3 m cable - spare
35107	35107	Neonate SpO ₂ probe <3 kg - reusable
35104	35108	SpO ₂ extension cable
35113	35113	SpO, extension cable Pediatric NIBP cuff 18-26 cm
		Adult NIBP cuff 25-35 cm - spare
35147	35115	Adult large NIBP cuff 33-47 cm
35116	35116	Thigh NIBP cuff 46-66 cm Adjustable height
35181	35154	Rectal temp probe - optional 104-130 cm
35182	35155	Skin temp probe - spare
		ECG cable - spare
35157	35157	Printer - optional*
35158	35158	Trolley
35161	35159	Rechargeable lithium battery - spare
		Printer paper roll 50 mm x 20 m
*Installation	n done by	Gima if ordered with monitor. Need service if ordered later.

STANDARD ACCESSORIES

- Adult SpO₂ probe
- NIBP adult cuff and extension tube
- Temperature probe skin
- manual: GB, IT
- ECG electrodes
- Rechargeable lithium battery
- ECG cable
- power supply cable

TECHNICAL SPECIFICATIONS

ECG 5-lead, dual channel, 3-lead, single channel Scan speed: 12.5 mm/s, 50 mm/s ST segment monitoring Measurem. and alarm range: -2.0 mV +2.0 mV RESP

Method: R-F (RA-LL) impedance Measurement and alarm range: 0-150 rpm Apnea alarm: 10-40 sec NIBP - Oscillometric method

Mode: manual/AUTO/continuous Measurement interval in AUTO mode: 1/2/3/4/5/10/15/30/60/90/120/240/480/960 min Measurement period in CONT mode: 5 min Measurement alarm: 10-270 mmHg SpO₂

Measurement and alarm range: 0-100% Measurement accuracy: 70-100% ±2% PR

Measurement and alarm range: 25-250 bpm
TFMP

Channel: dual channel Measurement and alarm r

Measurement and alarm range: 0-50 °C Power supply: 100-240 V - 50/60 Hz Safety classification: Classe I type CF Defibrillation-proof applied part

K12 AND K15 PATIENT MONITORS FOR INTENSIVE CARE

35309

- 35306 K12 MULTIPARAMETER MONITOR 12" 5 lead ECG
- 35307 K12 TOUCHSCREEN MULTIPARAMETER MONITOR 12" 5 lead ECG
- 35308 K12 TOUCHSCREEN MULTIPARAMETER MONITOR 12" 10 lead ECG
- 35309 K15 TOUCHSCREEN MULTIPARAMETER MONITOR 15" 5 lead ECG
- 35332 K15 TOUCHSCREEN MULTIPARAMETER MONITOR 15" 10 lead ECG

• 35310 K15 TOUCHSCREEN 2 IBP+ EtCO, MULTIPAR. MONITOR 15" - 5 lead ECG

Multi-functional patient monitors for monitoring the vital physiological signs of adult, pediatric and neonate patients. Real-time recording and displaying of parameters, such as ECG, heart rate (HR), non-invasive blood pressure (NIBP), oxygen saturation (SpO₂), respiration (RESP) and temperature (TEMP) allow comprehensive analysis of patient's physiological conditions.

- ergonomic design with intuitive user interface
- USB socket for data transfer and software upgrade
- 9 or 13 (35308 only) traces on-screen waveforms
- Windows style display view, easy to operate
- visual and audible alarm for physiological and technical alarms
- large capacity storage
- suitable for use with original Nellcor sensors
- protection against defibrillator discharge, resistance against the interference from electro-surgical unit; Cardiac pacemaker pulse detection and inhibition.

Internal software: GB, DE, FR, PT, ES, IT, PL, TR, RU.
PC software GB, IT, ES, Compatible with Windows XP, 7, 8, 10, 11

r C SOIL	ware db, 11, E3. Compatible with windows AF, 7, 8, 10, 11.
GIMA code	ACCESSORIES FOR K12, K15
35141	Printer** - optional "Installation done by Gima if Paper 5.1 cm x 12 m - box of 5 ordered with monitor. Need
35311 35312 35313	NIBP cuff - 6x11 cm neonate - optional service if ordered later NIBP cuff - 10x19 cm pediatric - optional NIBP cuff - 21x35 cm adult - spare
35314 35315 35316 35317	SpO ₂ rubber probe*** D type - adult - opt need ext. cable Reusable SpO ₂ probe*** D type - neonate - opt need ext. cable Reusable SpO ₂ probe*** D type - pediatric - opt need ext. cable Reusable SpO ₂ probe*** D type - adult - spare - need ext. cable ****Nellcor compatible*
35318	Extension cable for SpO ₂ probes - spare See disposable Nellcor compatible SpO ₂ sensors - page 351
35319 35320 35322	Respironic Mainstream (33797) and Sidestream (33796) CO ₂ sensors - page 350 Rechargeable lithium battery - spare ECG cable 5 leads - spare ECG cable 10 leads - spare for 35308, 35332
35148 35321	Trolley - optional IBP**** single use monitoring kit for 35310 - spare

15" TFT display with LED backlight 9 waveform on screen

ECG + SpO₃ + NIBP + RESP + 2-TEMP 2 IBP* + EtCO,* configuration

> 360° degree visible indicator with 3 level alarm

*Only for 35310

Lithium battery up to 2.5 hours continuous monitorina

> Optional printer, code 35133

Accessories box = 33

*

2 IBP module (35310 only)

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35148

STANDARD ACCESSORIES

36.7

101

- Adult SpO₂ probe
 SpO₂ extension cable
- Skin temperature probe
- 2 re-chargeable lithium batteries
- Disposable electrode
- EtCO₂ configuration (only 35310)
- Dust-protective cover Manual: GB, FR, IT, ES
- IBP single use monitoring kit (only 35310) PC software: GB, IT, ES.

- Power supply cable

- NIBP adult cuff - ECG cable

****Invasive Blood Pressure (IBP) is a direct measurement of the patient's arterial or venous blood pressure. Catheter is inserted directly into a vein, artery or other pressure access areas and connected to a pressure transducer for measuring systolic, diastolic and mean blood pressures. The monitor can display data and a waveform for each pressure channel.

TECHNICAL SPECIFICATIONS

Input dynamic range: Differential input impedance: ≥10 MΩ Bandwidth: 0.05~150 Hz (Diagnostic), 0.5~40 Hz (Monitoring) 1~20 Hz (Operation) ≥90 dB (Diagnostic) CMRR:

 $\pm (0.5 \sim 5 \text{ mVp})$

≥105 dB (Monitoring & Operation) ×1/4, ×1/2, ×1, ×2, ×4 and Auto 6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s Sensitivity selection: Sweeping speed: HR measuring range: $15\sim350$ bpm $\pm1\%$ or ±2 bpm, whichever is greater Pacemaker pulse detection and rejection function

RESP Measuring range: 0~120 rpm ±5% or ±2 rpm, whichever is greater

TEMP 21.0~50.0 °C ±0.2 °C from 25~45 °C Measuring range:

Technique: Oscillometric method pical measurement time:

Oscillometric method
<30 seconds (adult cuff)
SYS: 40~275 mmHg (Adult)
40~200 mmHg (Pediatric)
40~135 mmHg (Neonate)
DIA: 10~210 mmHg (Adult)
10~150 mmHg (Pediatric)
10~95 mmHg (Neonate)
MAP: 20~230 mmHg (Adult)
20~165 mmHg (Pediatric)
20~110 mmHg (Neonate) NIBP measuring range: NIBP measuring range:

NIBP measuring range:

20~110 mmHg (Neonate)

NIBP measurement mode: NIBP measuring accuracy:

Auto measuring intervals: **SpO**₂ Technique:

Measuring range:

PR measuring range: 30~250bpm ±2 Low perfusion performance: As low as 0.3% EtCO₂ (only for 35310, needs 33796 or 33797) Technique: Infrared optica

Sampling mode: Measuring range:

Measuring accuracy:

Flow rate: IBP - 35310 only Technique: Input sensitivity: Measuring range: Measuring positions:

Calibration: Other Specifications Power supply: Built-in lithium battery:

Alarming method:

Manual, Auto, STAT, Multi-cycle mode Mean difference: ±5 mmHg Standard deviation: 8 mmHg

1-480 min

Dual-wavelength optical method 0%-100% ±2% for SpO₂ range 70~100% 30~250bpm ±2bpm or ±2%, whichever is greater As low as 0.3%.

Infrared optical method Sidestream or Mainstream

0~150 mmHg 0~40 mmHg ±2 mmHg; 41~70 mmHg ±5%; 71~100 mmHg ±8%; 101~150 mmHg ±10%; 50 ml/min ±10 ml/min (Sidestream)

Strain gauge transducer 5 µV/V/mmHg -50~300 mmHg ±2% or ±4 mmHg, whichever is greater ART, RAP, PA, LAP, CVP, ICP, AUXP1, AUXP2

zero calibrating

AC 100-240 V, 50/60 Hz, 60 VA 11.1V/4400 mAh

3 levels audible-visible alarm Networking - Safety standard: Ethernet - IEC 60601-1

PATIENT CENTRAL STATION UP TO 64 MONITORS FOR UP7000*, K12, K15

• 35323 CENTRAL STATION SOFTWARE

Software collects all data of each bedside monitor and displays them in a collective way.

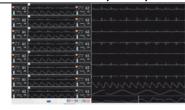
It stores, monitors and analyses the trend data of ECG and other parameters. It can manage up to 64 bed monitors. It includes U-Disk (software+manual) and dongle.

33745 CENTRAL STATION SYSTEM PC+MONITOR

- 33746 LAN CABLE 3 m
- 33767 LAN CABLE 30 m

One cable for any monitor to be connected.

Customized cable length on request. Manual in: GB, IT. Since S.N. J3300PG00766



ECG

RIESTER RVS-100 VITAL SIGNS MONITOR



MULTIPARAMETER MONITORS

- 33800 RVS-100 NIBP + SpO₂ + PRINTER
- 33801 RVS-100 NIBP + SpO₂ + PRED. TEMP + PRINTER

The Riester RVS-100 is an easy to use vital signs monitor with touchscreen display, offering pulse oximetry, blood pressure. Temperature measurements (only 33801).

Meeting your healthcare system's needs, offering spot check, triage, and continuous monitoring modes for all neonatal to adult patients.

Key Features

Oral (Quick Mode)

- 3 measurement modes (Monitor, Spot-check, Triage)
- high-sensitivity 8" TFT colour touch screen with selfexplanatory user interface and integrated help-function
- displays SYS, DIA, MAP, Pulse, Temp, Plethysmogram
- EWS, NEWS and MEWS for early detection to improve patient outcomes
- clinical grade NIBP including averaging mode (2-5 readings) and neonate mode
- Bluetooth connectivity to Riester 'tymPRO' and 'sensioPRO' thermometers

non-fever temps: 3 - 5 seconds

- Riester Oximax SpO₂ including neonate mode
- predictive oral Thermometer (Filac 3000), only 33801
- connectivity with the EMR using the HL7 standard
- LAN Connectivity as standard

- programmable alarms (audible, visible) with 3 priority levels
- supports nurse call RJ11 port
- internal memory for 5,000 measurements
- internal software language: GB, FR, IT, ES, PT, DE,
- DK, PL, CH Basket - lithium-ion battery with 11 hours run time (270x200xh225 mm)

for cuffs, sensors, (Automatic mode, 15 min intervals) cables storage

33801

33810



GIMA code	RIESTER code	ACCESSORIES FOR RVS-100
33805	13301	Riester SpO ₂ sensor - children - optional
33806	13302	Riester SpO ₂ sensor - adult - spare
33813	129.006	Riester pediatric velcro cuff 35.5 x 10 cm - optional
33810	13317	Trolley with basket
33811	13321	Printer paper roll 4.9 cm x 30 m - box of 20
		CTANDARD ACCECCORIEC

3600 g, (7.94 lb) including temp module, printer

STANDARD A	CCESSORIES
oO, adult sensor	2 cuffs (adult and adult large with
pO extension cable	connectors)
ral temperature probe (only 33801)	Lithium battery and charger
robe covers (only 33801)	Manual (GB, IT. On request FR, DE, ES,
IBP extension tube	PT, PL)
robe covers (only 33801)	Manual (GB, IT. On request FR, DE, ES,

TECHNICAL SPECIFICATIONS

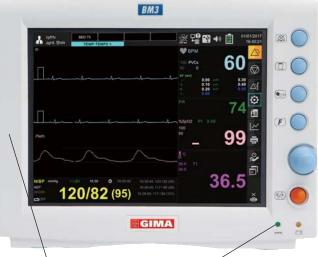
Clinical-grade NIBP (no	n-invasive blood pressure)		fever temps: 8 - 10 seconds
Measuring method:	automatic oscillometric	Oral (Standard Mode):	6-10 seconds
Measurement range:	SYS DIA	MAP Measurement accuracy:	35.5 - 42°C ± 0.1°C (± 0.2°F)
	Adult 30-270 mmHg 10-220 mmHg 20-3	-235 mmHg Monitor	
	Pediatric 30-235 mmHg 10-220 mmHg 20-3	-225 mmHg Alarm:	Visible LEDs (Red, Yellow, Cyan)
	Neonate 30-135 mmHg 10-110 mmHg 20-	-125 mmHg	Audible Speaker
Cuff pressure range:	0-280 mmHg, resolution 1 mmHg		Audible alarm, QRS tone
Pressure accuracy:	Static ±3 mmHg		Supports Pitch Tone and multi-level volume
	Clinic ±5 mmHg, standard deviation ≤ 8 mmHg		Alarm tones meet the requirement of IEC 60601-1-8
Pulse rate range:	40-240 bpm, accuracy 1 bpm		Pressure: 45 to 85 dB test distance 1 meter from the tone
Initial inflation pressure	e: Adult Pediatric Neo	onate Ports:	1 AC power inlet
	160 mmHg 130 mmHg 75 m	nmHg	1 standard RJ45 interfaces.100 BASE-TX, IEEE 802.3
	Double overpressure protection (hardware and s	software)	4 USB ports
	297 ± 3 mmHg 252 ± 3 mmHg 147 ± 3	3 mmHg	1 Equipotential grounding point
Alarm range:	SYS, DIA, MAP 0 - 300 mmHg		1 RJ11 connector for nurse call
Riester SpO ₂			DC out port 15V/1.2 A
Measurement range:	0-100 %, resolution 1%	Power Supply:	100 - 240 V AC, 50/60 Hz
Accuracy:	±2% (70 to 100%) - ±3% (40 to 69%)	Battery:	Lithium-lon, rechargeable battery, 10.8 V DC, 6,600 mAh,
	Unspecified (0 % to 39 %)		Charging time to a 100%: 6 hours
Alarm range:	0-100 %		Operating time approx. 11 hours
Average time:	4 sec, 8 sec, 16 sec		(new and fully charged battery with connected SpO ₂ , Temp
Pulse rate			and NIBP on AUTO mode (15 minutes interval))
Measurement range:	20-250 bpm, resolution 1 bpm		Low battery indicator and charging battery indicator
Accuracy:	±1 % or ± 1 bpm whichever is greater	Monitor dimensions:	303x110x h 230 mm (11.93x9.05x4.33 inches)
Predictive thermometer	r (only 33801)	Weight:	3600 g. (7.94 lb) including temp module, printer

Weight:

BM3 PRO MULTIPARAMETER MONITOR WITH TOUCH SCREEN

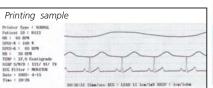


Pacemaker detection indicated on ECG display



58 mm built-in printer for both real time and trend data (Speeds: 25-50 mm/sec)

Battery status indicator continuous operating time approx 2 h



60

20



Easy mounting with bed-rail hook





Large parameter display mode



• 33720 GIMA BM3 PRO TOUCH MONITOR (8" - 800x600 - TFT display) GIMA monitor is configured with:

- 8" wide colour touch screen TFT LCD for a clear view
- Individual sweep speed setting for each parameter
- 168 full hours trend data stored
- SpO₃ measurement with very low perfusion detection and pulse beep

- 2 traces ECG

- screen freeze on/off

- external HDMI output for large screen - connection to Central monitoring system using LAN or W-LAN
- Li-ion Battery (for 2 hours continuous operation)
- High-performance ECG detection and analysis
- input impedance for dry skin or electrode patch
- ST level, PVC count real-time display
- 13 kinds of Arrhythmia analysis
- pacemaker detection function
- Enhanced & extendible multi-parameter increases flexibility
- Sidestream/Mainstream EtCO,
- Enhanced data management
- graphical and tabular trends
- 20 cases per 10 sec alarm waveform stored, reviewed and printed
- USB memory storage
- B2B interconnection
- up to 4 monitors (BM3/5/7) can be connected
- Internal software selectable in GB, DE, FR, IT, PT, PL, RO, HU, ES, CZ, BG, RU, TR, CN
- User manual: GB, IT (on request: ES, FR, DE).
- 33725 CART

Adjustable height, basket included.

Temperature sensors, cuffs, batteries and accessories see page 351. CO, sensors page 350.

STANDARD ACCESSORIES

3 lead patient cable (ECG) Reusable adult cuff 25-35 cm Disposable electrodes: 10 pcs Reusable child cuff SpO₂ sensor - reusable DC adaptor (18 VDC, 2.5A) SpO₃ sensor extension cable 2 m Battery NIBP tubing - 3m User manual: GB, IT

PATIENT CENTRAL SYSTEM (up to 31 monitors)

It allows the user to monitor and extract the exact status of several patients simultaneously at a place. Convenient bidirectional communication allows you to admit new patient information, set alarms at either central station or patient monitor.

• 33745 WIRE CENTRAL SYSTEM

(PC, monitor, 16 port switch and software)

• 33746 LAN CABLE - 3 m

Thermal printer 58 mm

• 33767 LAN CABLE - 30 m

One for any monitor to be connected. Customized cable length on request. 33758 WIRELESS CENTRAL SYSTEM

(PC, monitor, wireless router and software) 33759 WIRELESS CONNECTION KIT

Ethernet converter and power cable. One for any monitor to be connected.



Angle of plate

Adjustable

33725

height

adjustable

Moving cart

around the ward

TECHNICAL SPECIFICATIONS

GENERAL Display:

Dimensions - Weight: Trace

Indicators

Thermal printer: Battery:

Interfaces:

Operating voltage: Data storage:

Lead type:

Lead selection: Heart rate range:

Visual alarm, QRS beep & SpO₂ Pulse beep Percent (%) SpO₂ pitch tone, Battery status, External power LED 25, 50 mm/sec (paper width 58 mm) Rechargeable Li-ion battery Operating time: 2 hours of continuous operation (when fully charged)
LAN digital output for transferring data
DC input connector: 18 VDC, 2.8 A max External HDMI output for large screen USB barcode reader USB memory data storage / S/W upgrade 100-240 V, 50-60 Hz 168 hours trends, 20 cases of 10 sec alarm waveform 3-lead, 5-lead (option) 3-lead I, II, III 5-lead I, II, III, aVR, aVL, aVF, V (option)

Adult: 30 to 300 bpm,

Neonate/Pediatric: 30 to 350 bpm

8" wide colour touch TFT LCD 800x600 pixels

238x250xh 163 mm - 3.1 kg 4 waveforms: 2*ECG, SpO₂, Respiration Sweep speed: 6.25, 12.5, 25, 50 mm/sec

Categorized alarms (3 priority levels)

Heart rate accuracy: Sweep speed: Filter:

SpO₂ % Saturation Range:

Pulse rate range: NIBP Technique:

Measurement Modes: Pressure range: Measurement range:

Respirations Method: Range:

Accuracy: Apnea alarm: Temperature Unit - optional Range:

Accuracy Compatible with: ± 1bpm or ± 1%, whichever is greater 6.25, 12.5, 25, 50 mm/sec

Diagnosis: 0.05 to 150 Hz

Moderate: 0.5 to 25 Hz Monitoring: 0.5 to 40 Hz Maximum: 5 to 25 Hz Pacemaker detection mode: Indicator on waveform display (user selectable)
Protection: Against electrosurgical interference and defibrillation

0% to 100% ± 2 digits (70% to 100%) 30 to 254 bpm ± 2 bpm

Oscillometric

Oscillometric
Manual/automatic/continuous
0 to 300 mmHg ±3 mmHg
Adult pressure: 20 to 260 mmHg
Pediatric pressure: 20 to 160 mmHg
Neonatal pressure: 20 to 130 mmHg

Thoracic impedance 5 to 120 breath/min ± 1 breath/min yes

"0° to 50°C (32°F to 122°F) ± 0.1°C (25°C to 50°C), ± 0.2°C (0°C to 24°C) YSI Series 400 Temperature Probes

349

BM5 PRO MULTIPARAMETER MONITOR WITH TOUCH SCREEN

(GB, DE, FR, IT,

PT, PL, RO, HU,

ES, CZ, BG, RU, TR, CN)

• 33776 GIMA BM5 PRO MONITOR - 10.4" TOUCH SCREEN COLOUR TFT LCD - 7 ch ECG Arrhythmia analysis: VTAG, VFIB, ASYSTOLIC Pacemaker

Enhanced & expandable multi-parameter patient monitor 33776

10.4" touch screen colour TFT LCD with 6 waveforms - individual sweep speed setting for each parameter

- 168 full hours trend data are stored

- SpO₂ measurement with very low perfusion detection

- screen freeze on/off

- oxyCRG, drug calculation - external HDMI output for large screens

connection to central station using LAN or W-LAN - optional

- Li-ion battery with longer time life (3 hours of continuous operation)

- real time bed to bed connectivity, max 8 monitors without server or central station

EMR direct HL7 with editable menu

- enhanced & expandable multi-parameters:

Mainstream/Sidestream EtCO₂ - optional high-performance suntech NIBP (BM5ICU)

high-performance ECG detection and analysis:

• enhanced input impedance for dry skin or electrode patch

• ST level, PVC count, real-time display

13 kinds of arrhythmia analysis

pacemaker detection function

- enhanced data management:

GENERAL

Indicators:

Battery:

ECG

Lead type:

Lead selection:

ECG Waveforms:

Heart rate range:

Interfaces:

Thermal printer:

· graphical and tabular trends USB memory storage

· 20 cases - 1 sec. alarm waveform are stored, reviewed and printed

• 33771 TEMPERATURE SENSOR 3 m - skin type - optional • 33772 TEMPERATURE SENSOR 3 m - rectal - optional

LAN digital output for transferring data

Nurse call system connection

defibrillator sync. output

% Saturation Range: 0% to 100% ±2 digits (70 to 100%)

3-lead, 5-lead

3-lead: I. II. III

3-lead 1 channel

5-lead: 1/2/7 channels

Neonate/pediatric: 30-350 bpm

33795 Non intubated CO₂+O₃ nasal cannula - pediatric

Adult: 30-300 bpm

Heart rate accuracy: ± 1 bpm or ± 1%, wichever is greater

• 33741 EXACON TEMPERATURE SENSOR 2.75 m - rectal - optional Other accessories page 351.

Selectable software language BM5 PRO **((** 0123 20/82 (95)

GIMA

STANDARD ACCESSORIES 3 lead patient cable (ECG) Disposable electrodes: 10 pcs NIBP tubing - 3m Reusable child and adult cuff

Battery

SpO₂ sensor - reusable SpO₂ sensor extension cable 2 m Thermal printer 58 mm DC adaptor (18 VDC, 2.5A) User manual: GB, IT

detection indicated on the ECG waveform display

TECHNICAL SPECIFICATIONS

6.25, 12.5, 25, 50 mm/sec. Diagnoses: 0.05 to 150 Hz Sweep speed: Dimensions/Weight: 238x163xh 250 mm/4 kg Filter: 6 waveform (ECGx2, SpO₂, RR or EtCO₂ IBPx2) Monitoring 0.5 to 40 Hz categorized alarms (3 priority levels), Moderate: 0.5 to 25 Hz Maximum: 5 to 25 Hz S-T Segment detection range: - 2.0 to 2.0 mV visual alarm lamp handle, QRS beep, SpO₂ pulse beep, heart rate, SpO₂ pulse pitch tone

Arrhythmia analysis: Asystole, Vtach, Vfib, Bigeminy, battery status, external power LED
Accvent Couplet, Irregular, Pause, F
25, 50 mm/sec (paper width 58 mm)
Rechargeable Li-ion (3 hours operating time)
Pacemaker detection mode: Indicator on waveform display Accvent Couplet, Irregular, Pause, Pvc,

(user selectable)

Protection: against electrosurgical interference

and defibrillation

NIBP

ECG+SPO₃+NIBP+RESP,

optional 2 IBP, 2 TEMP, ETCO, MODULE

Technique: Oscillometric with linear deflation Pressure range: 0 to 300 mmHg \pm 3 mmHg Measurement Modes: Manual-Automatic-Continuous Adult: 300 mmHg Safety pressure: Neonate: 150 mmHg

Measurement range: Adult pressure: 20 to 260 mmHg Pediatric pressure: 20 to 160 mmHg

Neonate pressure: 20 to 130 mmHg

Pulse rate: 30-220 bpm meets accuracy requirements of ANSI/AAMI ISO 81060-2-2013 Accuracy:

Respirations

Range: 5 to 120 breaths/min ±1 b/min Apnea alarm:

Temperature Unit

0° to 50°C (32°F to 122°F) Range: ± 0.1°C (25 to 50°C), ± 0.2°C (0 to 24°C) Accuracy Compatible with: YSI Series 400 Temperature Probes IBP - option

Channels:

Measuring range: -50 to 300 mmHg ± 1 mmHg (<100 mmHg) Measuring accuracy: ± 1 % of reading(>100 mmHg)

Pulse rate counting range: 0 to 300 beats/min

range ± 200 mmHg Zero balancing: accuracy ± 1 mmHg drift ± 1 mmHg over 24 hours Transducer sensitivity: 5µV/V mmHg

EtCO, - Respironics option

Measurement mode: Sidestream or Mainstream Measurement range: $0\sim150$ mmHg, 0 to 19%2~150 bpm

Respiration range: ± 2 mmHg, 0~40 mmHg Accuracy: ± 5%, 41~70 mmHg ± 8%, 71~100 mmHg

± 10%, 101~150 mmHa

Respiration accuracy: ± 1 breath per minute

RESPIRONICS CO, SENSORS: CAPNOSTAT MAINSTREAM AND LOFLO SIDESTREAM LoFlo™ Sidestream • 33797 CAPNOSTAT

CO, sensor

33796

33795

• 33796 LOFLO SIDESTREAM CO. SENSOR for intubated and non intubated patients

DC input connector:18 VDC, 2.8A max

Operating voltage: 100-240 V, 50-60 Hz

Pulse Rate Range: 30 to 254 bpm ±2 bpm

Flexible and compact CO₃ sensor that provides consistent and reliable CO₂ monitoring of adult, pediatric and neonatal patients. No calibration required. 50 ml/ minute sampling rate.

33790 Airway adapter set with dehumidification tubing for intubated adult. Suitable also for VET (dog, horse)

GIMA

code

33791

33791 Airway adapter set with dehumidification tubing for intubated Infants. Suitable also for VET (cat, puppy)

33792 EtCO₂ ACCESSORIES for 33796 - box of 10 33793 33790 Intubated Filter Line H - adult Intubated Filter Line H - infant 33792 Non intubated CO, nasal cannula - adult 33794 33793 Non intubated CO₂ nasal cannula - pediatric 33794 Non intubated CO₂+O₂ nasal cannula - adult

LoFlo.

MAINSTREAM CO, SENSOR for intubated patients

Small, durable and lightweight mainstream CO, sensor provides accurate and reliable monitoring for all intubated patients from neonates to adults. No calibration required.

Fast airway measurement.

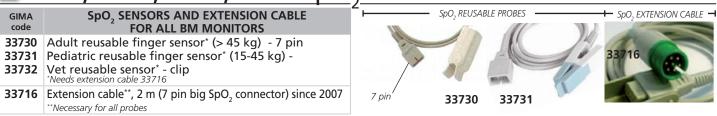


COMPATIBILITY OF LOFLO AND CAPNOSTAT CO ₂ SENSORS				
Brand	Model			
Bionet	BM5, BM5 Pro			
Creative	K15			
Mindray	Various			
Philips	Various			

LECG CABLES FOR BM GIMA AND BIONET MONITORS



BM1, BM3, BM5, BM7 SpO₃ SENSORS



NELLCOR COMPATIBLE DISPOSABLE SpO, SENSORS

33754



GME-P

33757 Disposable pediatric sensor - 10-50 kg 33754 Disposable adult sensor - over 30 kg

33755 GME-33756



infrared (wavelength is 880~910 nm, 6.75 mW)

All sensors are supplied in sterile pack with 70 cm cable.

(not compatible with Nellcor Oximax) TECHNICAL SPECIFICATION SpO, SENSORS Range of SpO. measurement: 70%~100% 33755 Disposable neonate/adult sensor Accuracy: 70%~100% ±2%; below 70%: unspecified under 3 kg (neonate foot) - over 40 kg (adult finger) Range of pulse measurement: 30~250 bpm 33756 Disposable infant sensor - 3-20 kg Accuracy: ±2 bpm of 2% (select larger) red light (wavelength is 650~670 nm, 6.65 mW) Optical Sensor:

BM1, BM3, BM5, BM7 MONITOR ACCESSORIES



Nihon Kohden P242A, Datascope 0206-02-0003

REUSABLE COMPATIBLE SPO₂ SENSORS FOR ALL BRANDS (€ 0123

				30	3		
GIMA code	finger sensor OEM - Brand	N	Sensor type	Cable length	-type ear sensor 4- Connector type	Adult-neonatal wrap sensor 5- Pediatric sensor 6- Neonatal Y- Compatibility	Extension cable - 2.4 m
35220* 35221 35222	BCI	5 1 1	Pediatric finger Adult finger Adult finger	0.9 m 0.9 m 3.0 m		BCI: 3401, 3304, 3303, 3302, 3301, 3300; Spacelabs Burdick: PRO ₂ ; Draeger: Oxipac 2000/2500	35300 - -
35225 35226 35227	CSI (Criticare)	6 1 1	Neonatal Y-type Adult finger Adult finger	3.0 m 0.9 m 3.0 m	W 431	Alaris (IVAC): VitalCheck 4400; Criticare: 503DX. 503 Spot, 504DX/P. 504DX, 506 series (except 506LN3), 507ELC2, 8100 Poet Plus, Poet (602-3A), Scholar, Scholar III	- - -
35230*	Datascope	1	Adult finger	0.9 m		Accusat, Accutorr 3/4 SAT, Accutorr Plus, Passport (Database SpO.)	35301
35231		1	Adult finger	3.0 m		3	-
35232*	Datex-	1	Adult finger	0.9 m		Datex-Ohmeda: AS/3 ,CS/3, CH/S, CH/2S, CH-RS, SAF-F, CG/2S, Cardiocap I, Cardiocap II, Cardiocap 5, Capnomac Ultima, Light	35302
35233 35234 35235	Ohmeda	5 1 3	Pediatric finger Adult finger Adult Y-type ear sensor			Monitor, M-Estpr, Oscar II, OSP-200, Satlite Trans, Satlile, Trans Plus, System 5, ULTS00	-
35238 35239 35240 35241	GE Datex- Ohmeda	1 1 2 3	Adult finger Adult finger Adult soft-finger Adult Y-type ear	3.0 m 4.0 m 3.0 m 3.0 m		GE (Datex-Ohmeda): S/5, i4 Modular Monitors with Eseries modules, Corometrics® 259 with TruSignal Ohmeda Technology	-
35243	Offifieda	1	Adult finger	3.0 m		Ohmeda TruSat Ohmeda TruSat TD	-
35245	GE	1	Adult finger	3.0 m		GE: Dash 2000/3000/4000 with Nellcor option, Dash 3000/4000/5000 with Ohmeda option, Solar 8000/80001M, i/9500 with Tram Module 451/451N/851/851N, CardioLab®/Mac-Lab® with Tram Module 451/451N Corometrics® 120/2120 series, Eagle 1000/3000/4000 Responder 3000 with Nellcor option	-
35247*	GE TruSignal	1	Adult finger	0.9 m		TruSignal sensors and interconnect cables are backwards compatible with Datex, ohmeda and GE SpO ₂ technologies.	35303
35250	Goldway	1	Adult finger	3.0 m		Goldway: UT4000 A / 4000 A pro / 4000B, UT6000 C	-
35252	Mindray	1	Adult finger	3.0 m		PM-600, PM-5000, PM-6000, PM-7000, PM-8000, PM-9000, MEC- 1000 (Nellcor based) PM-50	-
35255** 35256** 35257** 35258** 35259** 35260** 35261**	Nellcor	6 5 4 1 1 2 3	Neonatal Y-type Pediatric finger Adult/neonatal wrap Adult finger Adult finger Adult soft-finger Adult Y-type ear	0.9 m 0.9 m 0.9 m 0.9 m 3.0 m 0.9 m 3.0 m		Artema: Diascope, Datascope: (Mindray): Accutorr Plus, Expert, Passport, PM-50; Drager: Cicero, Narkomed, Vitalert 1000, GE Medical: Corometrics 118, 120, 129,188, 510, 556, Critikon 9710, 9720, Plus, Compact, Dinamap Select, MPS, Oxyshuttle, Pro 300/400, Eagle Series, Dash Series, Hellige Eagle, 1000, 3000, Eagle SMK, SMU, SMV, SOLAR Series, TRAM Modular x50SL Series; Invivo Research: MI2 (Nellcor SpO_2), Millennia 4500 Plus 2, Invivo/MDE Escort 100 OPT11A Escort 300A, Escort II OPT30, Prism (Nellcor SpO_3); Ivy Biomedical: 405A, 4050, 405P, 405T, Vital-Guard 450 Ch, Mennen: Horizon XL (Nellcor SpO_3), MR 1300 Mercury 1200; Nellcor: N100 (req. preamp cable), N-20, NPB-75, NPB-290, NPB-295, N-390, N-395, N-3000, N6000: Nihon Kohden: BSM-1102 Life Scope EC, BSM2304 iPro (Life Scope i), BSM-4102, 4112 Procyon LT (Life Scope EC, BSM2304 iPro (Life Scope i), BSM-4102, 4112 Procyon LT (Life Scope P), BSM-4104, 4114 Procyon (Life Scope P), BSM-9510 Life Scope M (Nellcor SpO_3), OGS2000 PocketCare (Nellcor SpO_3); Pace Tech Vitalmax 800 Series (cara negra Nellcor SpO_3): Philips 78352C, 78354C, 78834C, MI020A, M1025B, M1205A, M1350B, M1 722A/B, M1732A/B, M2475B, M2601A, M3000A	35304 35304 35304 35304 35304 35304 35304
35262** 35263** 35265**	Nellcor Oxitech	1 2 4	Adult finger Adult soft finger Adult/neonatal wrap	0.9 111	manu / Z	Nellcor Oximax: N-550, N-560, N-595, N-600 and Patient monitors with Oximax module	35305
35264	Nihon- Kohden	1	Adult finger	3.0 m		Nihon Kohden: BSM-4101,4103 4111,4113 Life scope P BSM-5105, 5135 Life scope A BSM-2351, 2353 Life scope L BSM-2301, 2303 Life scope I, Life scope S	-
35266**	Nonin	1	Adult finger	0.9 m		NONIN: 8500, 8600, 8700, 8800/9840 NONIN: 2500, 9600, 9700	-
35268 35269	Novametrix	6 1	Neonatal Y-type Adult finger	3.0 m 3.0 m	W H	Novametrix: 505, 510, 511, 515B/C, 520, 7000, 7100; Oxypleth	-
35272	Ohmeda	1	Adult finger	3.0 m		Datex-Ohmeda: 3740, 3710, 4700 OxiCap, 520RGM, Biox 3760, Ohmeda 3700, 3775, Rascal II, GE Medical System: 7000 series, Corometrics 511, TRAM A.R., Tram Modular x00SL Series, Mennen:Horizon XL800 (Ohmeda SpO.)	-
35275 35276 35277 35278 35279 35280 35281	Philips	6 4 1 1 2 2 3	Neonatal Y-type Adult/neonatal wrap Adult finger Adult finger Adult soft-finger Adult soft-finger Adult Y-type ear	1.6 m 3.0 m 1.6 m 3.0 m 3.0 m		Philips: 1205, M1205A, 78352C, 78834C, 78354C, M1020A,	- - - - - -
35283 35285 35286	Siemens/ Drager	1 2	Adult soft-finger Adult finger Adult soft-finger	3.0 m 1.6 m 1.6 m		M1025A, M1025B, M1350B, M1772A/B, M1732A/B, M2475B Siemens/Drager: SC6002XL, 7000, SC8000, SC9000XL	-
35287	-	3	Adult Y-type ear	1.6 m	**Ontional automois	on cable. See last column All products are supplied with manual in GR	-