



medical **ECONET**
GERMANY

PRODUCTS 2023

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Valid until 02 / 2024

SPECIFICATIONS

Dimensions	165 x 250 x 165 mm
Weight	≤ 2,5 kg (without battery)
Operating temperatures	5 - 40 °C
Display	
Display	8" color TFT-touchscreen
Resolution	800 x 600 pixels
Waveform	PLETH
Working environment	
Humidity	≤ 93%
Power	100-240 V, 50/60 ±1Hz
Battery	
Type	rechargeable Li-ion battery
Capacity	2200 mAh (up to 3 hours operation)
Charging time	approx. 5 ½ hours
Backup	3 hours for continuous working
Indicators	
Parameters	2 alarm status indicators Power status indicator Battery status indicator QRS beep and alarm sound
Connections	SpO2 NIBP TEMP
Data storage	
Alarm events	200 groups
Waveform display	48 hours
NIBP	2000 groups
Wave trend	160 hours
Switchable data storage	Yes

Characteristics	
Alarm	3-point-limit values (upper and lower) adjustable by the operator
Network	Connection with CMS or HL7 Wired or wireless
WiFi	Yes
Mode	Spot-check and monitoring
USB	Software upgrade (standard), barcode Scanner
Multi-function	Nurse Call
Data	Data storage, monitoring and data transfer
Scoring Systeme	MEWS & EWS
Protocol	HL7
NIBP	
Method	Oscillometric technology (automatic)
Operating modes	manually / automatically/ continuously
Auto mode test interval	Adjustable (1-720min)
Measuring units	mmHg / kPa selectable
Measuring types	Systolic, diastolic, mean value
Measuring range systolic	Adults: 40-270 mmHg Children: 40-200 mmHg Neonates: 40-135 mmHg
Measuring range diastolic	Adults: 10-215 mmHg Children: 10-150 mmHg Neonates: 10-100 mmHg
Measuring range mean value	Adults: 20-235 mmH Children: 20-165 mmHg Neonates: 20-110 mmHg
Security in overpressure conditions	Yes. Software and hardware
Accuracy	less than ±3 mmHg oe ±0,4 kPa
Resolution	1mmHg or 0.1 kPa
Alarm	systolic / diastolic / mean value
Pulse rate	40-240 bpm

Resolution	1 bpm
Accuracy	±3% or ±3 bpm (whichever is higher)
SpO2	
Measuring range	0 ~ 100 %
Resolution	1%
Accuracy	±2% (70~100%, adult/children, rigid) ±3% (70~100%, neonates, rigid) Unspecified (0~69%)
Alarm range	0~100%
PR measuring range	20-254 bpm
Resolution	1 bpm
Accuracy	±2 bpm
PR alarm range	20~350 bpm
PI value	0,05% ~ 20%
Temperature (ear thermometer) (Article-No. 51-6007 only)	
Range	34°C - 42,2°C
Temperature sensor	IR ear-thermometer
Resolution	0,1°C
Accuracy	±0,2°C (35°C - 42°C) ±0,3°C (other areas)
ECG & PRINTER (Article-No. 51-5007 only)	
Lead type:	3-lead
Sensitivity (gain)	1.25(×0.125), 2.5(×0.25), 5(×0.5), 10(×1), 20(×2), 40(mm/ mV) (×4) and automatic gain
Sweep speed	6.25, 12.5, 25, 50 (mm/s)
Heart rate detection range	Range: 15 bpm ~ 300 bpm for adults 15 bpm ~ 350 bpm for neonate/pediatric
Accuracy	±1% or ±1bpm (both maximum)

M20

8" Touchscreen Vital Signs Monitor

8" LCD screen with touch function • Spot-check measurement including MEWS (Modified Early Warning Scoring) • Manual stand-by with a single press on the On/Off button • Barcode scanner connector for the fast transmission of patient information • Measurement of oxygen saturation (SpO2) and pulse rate • Blood pressure measurement for adults and children (NIBP) • Temperature measurement by infrared-ear-thermometer (including 20 protective caps) • Mains and battery powered up to 3 hours operation • Dimensions: L 165 x W 165 x H 250 mm, weight: approx. 2,5 kg • 24 months guarantee • Incl. SpO2 sensor (adult), ear thermometer, 20 protective caps, power supply, NIBP cuff for adult.

Central Monitoring Software (optional)

Article-No. 51-6007

Article-No. 51-5007 (ECG Version)



Article-No. 51-6007 only

M10

Vital Signs Monitor

6" LED screen with brilliant display • Measurement of oxygen saturation (SpO2) and pulse rate, NELLCOR compatible technology • Blood pressure measurement for adults and children (NIBP) • Temperature measurement by infrared-ear thermometer (including 20 protective caps) • Mains and battery powered up to 12 hours operation • Dimensions: L 130 x W 125 x H 299 mm, weight: 1,25 kg • 24 months guarantee • Incl. SpO2 sensor (adult), ear thermometer, 20 protective caps, power supply, NIBP cuff for adult.



Infrared thermometer included



Optional five-foot mobile stand



Article -No. 51-6005 Nellcor compat.

SPECIFICATIONS

Dimensions	130 x 125 x 299 mm (LxWxH) about 1,25 kg
Display	6" colour display
View	NIBP SpO2 Heart rate Temperature Patient group (adult, children, neonate) Battery status
Battery	Li-Ion 2.200 mAj Operation up to 12 hours Loading time: about 3 hours Charging time during operation: about 5,5 hours
Internal memory	50 Measurements
SpO2	Saturation range: 0% - 100% Accuracy: 70% - 100% ± 2% Heart rate: 25 bpm - 250 bpm ± 1 bpm

NIBP	Oscillometric technology Measuring range Systolic: Adults: 40-270 mmHg Children: 40-200 mmHg Neonates: 40-135 mmHg Measuring range Diastolic: Adults: 10-215 mmHg Children: 10-150 mmHg Neonates: 10-100 mmHg
Temperature	Measuring range 34°C - 42,2°C Resolution: 0,1°C Accuracy: ± 0,2°C
Accessories	NIBP 3m connecting hose NIBP cuff (adult) SpO2 Sensor (adult) Nellcor SpO2 adapter cable Nellcor Infrared ear thermometer, incl. eartips, power cable, user manual.

OPTIONAL ACCESSORIES

13-5262	SpO2 finger sensor - adult (Nellcor compatible)
13-5267	Y-Sensor incl. eardip (Nellcor comp.)
22-5263	Fingerclip sensor child (Nellcor comp.)
13-5267	SpO2 WRAP-Band sensor incl. 1x WRAP-tape
13-5264	Softtouch sensor (Nellcor comp.)
13-7052	NIBP cuff - XL adult - 35,5 - 46 cm
13-7051	NIBP cuff - adult - 27,5 - 36,5 cm
10-7036	NIBP cuff - adult - small - 18 -26cm
13-7050	NIBP cuff - child - 13 - 20 cm
13-7037	NIBP cuff - neonate - 6 - 11 cm
10-5043	Five-foot-tripod for M10
51-6043	Five-foot-tripod for M20

EWS (EARLY WARNING SCORE)



SPECIFICATIONS PROVIEW 10L

Dimensions	288 x 193 x 236 mm (LxWxH) approx. 3kg	SpO2 range	0% - 100%
Display	10,1" color LCD 1024 x 600 pix.	SpO2 accuracy	70% - 100%: <3% 0% - 69%: not specified
ECG	3-lead: I, II, III 5-lead: I, II, III, aVR, aVL, aVF, Vx 6-lead: I, II, III, aVR, aVL, aVF, Vx, Vb	Perfusion index	Range: 0,05 - 20,0%
ST-Segment	Range: -2,0mV - +2,0mV Accuracy: -0,8mV - +0,8mV Resolution: 0,01mV	Data storage	180 hours (min. resolution 1min.) Alarm events: 3000 groups Arrhythmia events: 3000 groups NIBP: 2400 groups Wave trend: 72 hours
Arrhythmia analysis	27 different, including, for instance: Vent Fib/tach, V-Tach, vent Brady, A-Fib	Battery	rechargeable lithium battery with up to 4 hours operation function
Heart rate range	Adults: 10-300 bpm Children: 10 - 350 bpm	Connections	1x AC current, 1x RJ45 network, 2x USB, 1x VGA (optional), Wifi (optional)
NIBP	Accuracy: ± 3 mmHg Interval for auto measurement: 1, 2, 2.5, 3, 5, 10, 15, 20, 30 min 1, 1.5, 2, 3, 4, 8, hours SATA: 5 min.		
Temperature	Range: 0°C - 50°C / Accuracy: $\pm 0,1^\circ\text{C}$		



Practical wall mount and storage basket for accessories



Haptic feedback by easy-to-understand knob design

PROVIEW 10L

10,1" patient monitor with haptic feedback

Ergonomic design, easy to handle by the operator • 27 different arrhythmia detections • Early diagnosis of patients at risk (EWS) • Measurement of oxygen saturation (SpO2) and pulse rate • Blood pressure measurement for adults and children (NIBP) • Glasgow Coma Scale (GCS) • 4 hours battery operation • Dimensions: L 288 x W 193 x H 236 mm, weight: approx. 3 kg • 24 months guarantee • Incl. ECG patient cable 5-lead, disposable electrodes, NIBP hose, cuff (adult), SpO2 extension cable, SpO2 sensor (adult)



Article-Nr. 20.20-5420

SPECIFICATIONS PROVIEW 10 & PROVIEW 12

Dimensions	PROVIEW 10: 288 x 236 x 168 mm (WxHxL) about 4kg PROVIEW 12: 175 x 320 x 262 mm (LxWxH) about 4kg	SpO2 range	0% - 100%	IBP (optional)	Transducer sensitivity: 5uV/V/mmHg, $\pm 2\%$
Display	PROVIEW 10: 10,4" colour TFT-full-touchscreen 800 x 600 pix. PROVIEW 12: 12,1" colour TFT-full-touchscreen 800 x 600 pix.	SpO2 accuracy	70% - 100%: <3% 0% - 69%: not specified	PROVIEW 12	Measuring range: 50 mmHg - 360 mmHg Accuracy: ± 2 mmHg oder 2%
ECG	3-lead: I, II, III 5-lead: I, II, III, aVR, aVL, aVF, Vx 6-lead: I, II, III, aVR, aVL, aVF, Vx, Vb 12-lead: I, II, III, aVR, aVL, aVF, V1~V6	Perfusion index	Section: 0,05 - 20,0%	MicroFlow CO2 (optional)	Measuring range: 0% - 25% (0 mmHg - 190 mmHg) Accuracy: $\pm 0,43\%$ Resolution: 0,1% or 1 mmHg
ST-Segment	Range: -2,0mV - +2,0mV Accuracy: -0,8mV - +0,8mV Resolution: 0,01mV	Drip monitor	Section: 5 ~ 200 drops/min Accuracy: ± 2 digit or 2% (whichever is greater)	PROVIEW 12	Measuring range: 0% - 25% (0 mmHg - 190 mmHg) Accuracy: $\pm 0,43\%$ Resolution: 0,1% or 1 mmHg
Arrhythmia Analysis	VTAC, VFIP, ASYSTOLIC etc.	Data storage	180 hours Alarm Events: 3000 groups Arrhythmia Events: 3000 groups NIBP: 2400 groups Wave trend: 72 hours	Mainstream CO2 (optional)	Measuring range: 0% - 25% (0 mmHg - 190 mmHg) Accuracy: $\pm 0,43\%$ Resolution: 0,1% or 1 mmHg
		Battery	Rechargeable lithium battery with up to 4 hours operating function	PROVIEW 12	Measuring range: 0,1 L/min - 20 L/min Accuracy: $\pm 5\%$ or $\pm 0,1$ L/min Resolution: 0,1 L/min
		Printer	Thermo printer Speed: 12,5, 25, 50 mm/s Paper width: 50mm	C.O. (optional)	Measuring range 0°C - 50°C Accuracy: $\pm 0,1^\circ\text{C}$ Compatibility: YSI 400 sensor
		Connections	1x AC current, 1x RJ45 network, 2x USB, 1x VGA (optional), Wifi (optional),	PROVIEW 12	
				Dual channel body temperature T1, T2, TD	



Possibility to store accessories



Easy to reach and color coded connectors.

PROVIEW 10

10,4" Touchscreen Patient Monitor

Superior image display • 27 different arrhythmia detections • Early diagnosis of patients at risk (EWS) • Measurement of oxygen saturation (SpO2) and pulse rate • Blood pressure measurement for adults and children (NIBP) • Glasgow Coma Scale (GCS) • 4 hours battery operation • Dimensions: L 288 x W 168 x H 236 mm, weight: 4 kg • 24 months guarantee • Incl. ECG patient cable 5-lead, disposable electrodes, NIBP hose, cuff (Adult), SpO2 extension cable, SpO2 sensor (adult), printer.



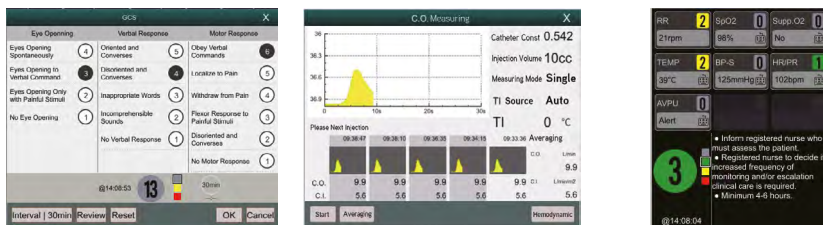
Article-No. 20.20-5360

PROVIEW 10 & 12 - Included Standard Accessories



1x 5-lead ECG-cable, 1 package (10 pcs) disposable electrodes for adult, 1x 3m NIBP extension cable, 1x SpO2 sensor for adult, 1x NIBP cuff for adult (25-35cm), user manual, 1x lithium battery

HIGHLIGHTS PROVIEW 10 & PROVIEW 12

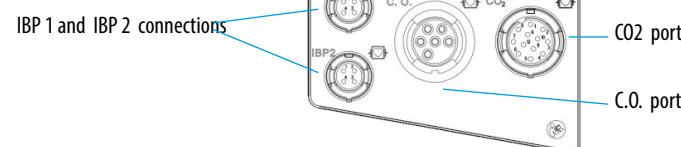


Glasgow Coma Scale (GCS)

Cardiac Output (C.O.)

Early Warning System (EWS)

EtCO2 Module PROVIEW12



Easy hygienic cleaning.



EtCO2 Module

PROVIEW 12

12,1" Touchscreen with OxyCRG

Superior image display • 27 different arrhythmia detections • Early diagnosis of patients at risk (EWS) • Airway monitoring in neonates • Measurement of oxygen saturation (SpO2) and pulse rate • Blood pressure measurement for adult and children (NIBP) • Glasgow Coma Scale (GCS) • 4 hours battery operation • Dimensions: L 175 x W 320 x H 262 mm, weight: 4 kg • 24 months guarantee • Incl. ECG patient cable 5-lead, disposable electrodes, NIBP hose, cuff (adult), SpO2 extension cable, SpO2 sensor (adult), printer.



Article-No. 20.20-5370

Watch our „medical ECONET“ videos on youtube.com

For further information please contact: info@medical-econet.com

CENTRAL MONITORING SOFTWARE of PROVIEW



HIGHLIGHTS

The central monitoring software is a multi-parameter monitor system with network connection via LAN or W-LAN. Suitable for continuous, simultaneous monitoring of multiple patients, max. 66 units can be monitored simultaneously. Here, the waveform displays for 32 monitors are displayed via a dual screen on 2 monitors. With 17 types of arrhythmia analysis, this software helps you interpret multiple physiological parameters and waveforms.

Performances: Waveform: ECG (I, II, III, aVR, aVL, aVF, V1-V6), RESP, CO2, IBP1, IBP2, SpO2. Parameters: HR, RR, NIBP, IBP, SpO2, PR, TEMP, CO2, (EtCO2, FICO2), Anesthetic gases. (O2, N2O, SAA), ICG (C.I.) Stroke speed: 12.5mm/s, 25mm/s, 50mm/s, and Customization Bedview: Up to 64 waveforms for 32 patient monitors (on a dual screen) Various alarms, calculation tools, arrhythmia analysis, display modes for 7- or 12-lead ECG waveform, Oxy CRG, complete display of all waves for one patient, remote control of the monitors via the software, and much more.



- Accommodates on-screen displays of 1/2/3/4 screens
- Offers 3 modes of operation: night, private and standby mode
- Screen displays for clinical requirements
- Supports up to 64 devices
- Multilingual for different countries
- 240 hours of trend data
- 720 C.O. Measurement results
- 1000 NIBP measurement results
- 1000 alarm events
- At least 300 stored patient management data

PROVIEW - USEABLE EVERYWHERE



The comprehensive range of accessories makes the PROVIEW series one of the most versatile patient monitors. The stable mobile stand with generous storage basket makes the PROVIEW a mobile unit for any clinic or practice. The quick and uncomplicated locking on the stand is another plus.

In addition to the mobile stand, medical ECONET also offers a wall mount with an additional storage basket, so that the PROVIEW serves as a space-saving component at the bedside. As a third variant, medical ECONET offers a holder for the overhead rail.



PROVIEW 10 / 12
Zubehörliste

Complete accessory list available on request.

More information visiting: medical-econet.com

COMPARISON CHART - ESSENTIALS AT A GLANCE

	 M10 Cost effective vital signs monitor	 M20 All-Star vital signs monitor	 PROVIEW 10L Patient monitor for favoring haptics	 PROVIEW 10 Diagnostic device for primary care physicians	 PROVIEW 12 Perfect for intensive care units
Short description	Measurement of oxygen saturation (SpO2) and pulse rate, AC and battery functioning up to 12 hours	Spot-check measurement and monitoring parameters in combination with generous touchscreen.	Medication Calculation - Battery: integrated and rechargeable with a runtime of up to 4 hours - Thermal printer is integrated on the side	Detection of 27 different Arrhythmia • Rapid identification of patients at risks (EWS) • Respiratory monitoring in neonates	Brilliant image display • Detection of 27 different Arrhythmia • Rapid identification of patient at risks (EWS) • Glasgow Coma Scale (GCS)
Display	6" LED	8" touchscreen	10,1" LCD	10,4" touchscreen	12,1" touchscreen
IBP	—	—	—	—	integrated
Cardiac output	—	—	—	—	optional
EtCO2	—	—	—	—	integrated
Data storage	50 patients	160 hours	180 hours	180 hours	180 hours
Printer	—	51-5007 only	—	integrated	integrated
Drip monitor	—	—	—	optional	optional
Glasgow Coma Scale / Early Warning System	—	MEWS, NEWS, EWS	integrated	integrated	integrated
Battery operating time	max. 12 hours	max. 3 hours	max. 4 hours	max. 4 hours	max. 4 hours
Interfaces	—	LAN interface Nurse call VGA (optional) 2x USB	LAN interface 2x USB	1x RJ45 network 2x USB 1x VGA (optional) WiFi (optional)	1x RJ45 network 2x USB 1x VGA (optional) WiFi (optional)
Temperature	by infrared thermometer	by infrared thermometer	integrated	integrated	integrated
Respiration	—	—	integrated	integrated	integrated
Derivations	—	—	5-lead 3-lead (optional)	5-lead 3-lead(optional)	5-lead 3-lead (optional)
Dimensions	130 x 125 x 299 mm	165 x 250 x 165 mm	288 x 236 x 193 mm	288 x 236 x 168 mm	175 x 320 x 262 mm

Detailed data specifications available through your contact person.

PROVIEW: OPTIONAL ACCESSORIES

ECG

Suitable for PROVIEW 10 and PROVIEW 12

	20-5362	5-lead ECG cable
	13-5361	3-lead ECG cable
	10-3700	Disposable electrodes - adults Package=30 pcs
	10-2107	Disposable electrodes - children/neonates Package =30 pcs

EtCo2 - MicroFlow

Suitable for PROVIEW 12

	20-1010	SET: Capno EtCO2 module, extension cable, 1x water filter, L type 3-way airway adapter and disposable CO2 nasal cannula
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	20-5390	12 Pin EtCO2 extension cable
	20-1012	Water filter
	20-1013	L type 3-way airway adapter
	20-1011	Disposable CO2 nasal cannula

EtCo2 - MainStream

Suitable for PROVIEW 12

	20-1000	EtCO2 Capno-M with disposable airway adapter adult/child
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	20-5390	12 Pin EtCO2 extension cable
	20-1002	Disposable airway adapter adult/child

Temperature

Suitable for PROVIEW 10 and PROVIEW 12

	13-5371	Skin temperature sensor for adults, children, neonates
	20-5372	Rectal temperature sensor for adults, children, neonates

SpO2

Suitable for PROVIEW 10 and PROVIEW 12

	13-5271	Finger sensor for adults
	13-5269	Soft finger sensor adults
	20-5368	SpO2 extension cable
	20-5364	Finger sensor children
	20-5365	Soft finger sensor neonates
	20-5367	Soft finger sensor children
	20-5391	Y-sensor

NIBP

Suitable for PROVIEW 10 and PROVIEW 12

	13-7036	NIBP 3m hose
	13-7051	NIBP cuff - adults - 25 - 35 cm
	13-7052	NIBP cuff - adults XL - 33 - 47 cm
	13-7050	NIBP cuff - children - 18 - 26 cm
	13-7037	NIBP cuff - neonates - 6 - 11 cm

Miscellaneous

Suitable for PROVIEW 10 and PROVIEW 12

	20-5373	Drip monitor module
	20-5375	Li-Ion battery 11,1V / 2.500 mAh
	20-5376	Li-Ion battery 11,1V / 5.000 mAh
	20-5377	Printer paper 50mm 1 box=5 Rolls
	09-1002	Mobile tripod with storage basket
	20-5450	Wall mounting bracket
	20-5460	Central Monitoring Software

Full accessory list on request.

Palmcare DUO

Handheld Monitor

4.3" screen with touch function, rotatable • Monitoring of SpO2, pulse and optional respiration - ECG optional • Audio-visual alarms • Mobile use due to compact design • Battery operation for up to 28 hours operating time • Dimensions: H 142 x W 78 x D 36 mm, weight: approx. 350g incl. battery • Incl. 1x SpO2 finger clip, 1x USB cable, 1x mains adapter

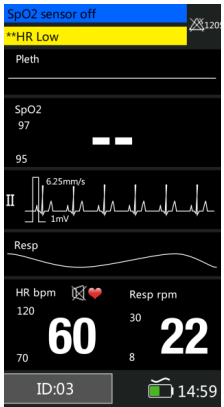
Free data management Software

Optional Accessory: Adhesive electrodes, 3-lead ECG cable, 5-lead ECG cable

Article-No. 40.21-5221

SPECIFICATIONS

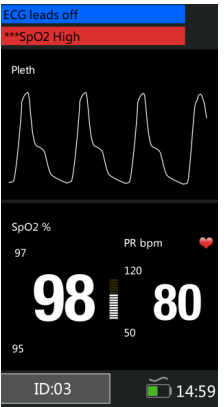
Weight	350g incl. Battery
Dimensions	142 mm(H) x 78 mm(W) x 36 mm(D)
Battery	Lithiumbatterie 3,7V
Charging time	approx. 4 hours
Running time	> 28 sec.
Display	4,3" Resolution: 480 x 272 4-way-rotatable display
Alarm	audible, visual
Data memory	Patient identifier 1~96 Display type: Trend table form Storage: At shutdown Capacity: 500 data (no curves)
ECG (optional)	3-lead derivation: I, II, III 5-lead derivation: I, II, III, aVR, aVL, aVF, VX Input range: ± 6 mV Input impedance: ≥ 5.0 M Ω Frequency range: 0.5 - 40 Hz Measuring speed: 6.25, 12.5, 25 mm/s Pacemaker detection: Yes
Heart Rate	Measuring range adult: 15-300 bpm Measuring range child & neonate: 15-350 bpm Accuracy: $\pm 1\%$ or ± 1 bpm, whichever is greater Alarm range: 0-300 bpm
Respiration	Method: Impedance Measurement: Lead: I (RA-LA) Lead: II (RA-LL) optional Lead: II (standard) Measuring impedance range: 0.2~3 Ω Output impedance range: 500~2000 Ω (when using the 1 Ω defibrillation cable)
SpO2	Measuring range: 0~100% Resolution: 1% Accuracy: 70~100%: $\pm 2\%$ 0~69%: unspecified Alarm: upper and lower limit selectable
Pulse Rate	Measuring range: 25~250 bpm Resolution: 1 bpm Accuracy: $\pm 1\%$ or ± 1 bpm, whichever is higher



Parameter Display

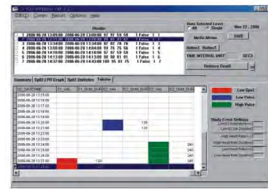


ECG Display



SpO2 Display

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PC-Software (optional)



Mounting infusion stand (optional)

SPECIFICATIONS

Measurement range	SpO2: 0-100% Pulse rate: 30-250 bpm Perfusion: 0.05 - 20%
Saturation Accuracy	Adult/Child 70-100% ± 2 50-69% ± 3 0-49% unspecified Newborn 70-100% ± 3 50-69% ± 4 0-49% unspecified
Pulse rate accuracy	30-250 bpm ± 3
Resolution	1 bpm

PALMCARE PRO PULSE OXIMETER

Accurate pulse oximeter for all age groups

It measures oxygen saturation and pulse rate • 3" LCD colour display • Selectable screen mode (4 different views)
• Display of SpO2, pulse rate, alarm limit, pulse wave, perfusion index, battery status, alarm status, trend memory • Acoustical and optical alarm • Adjustable alarm limits • 4 x AA batteries
• Dimensions: 154 x 72 x 26 mm • Weight: 273 g

Delivery includes SpO2-sensor for adults, protective cover and 4 x AA batteries

Article-No. 50-2240

Protection type	IPX1
Power supply	Receipt: 9 Vdc (max.) Back-up: 5A, 32VAC/DC 4 batteries 1,5 AA Capacity up to 10 hours
Environmental conditions	Storage temperature: -20°C - 70°C Operating temperature: 5°C - 35°C Operating height: 0 ~ 2.000 m Humidity: 15-95%
Dimensions	72 x 154 x 26 mm / ca. 273 g

defiMASTER

Professional biphasic Defibrillation, pacing and complete monitoring in one portable device

Defibrillation Mode, Monitor Mode, AED Mode, Pacing Mode are all in one • Cardioversion function enables to deal with atrial fibrillation.
• Internal defibrillation function enables open chest defibrillation.
• 1~360 joule energy selectable. • Implementing the custom shock sequence by applying Energy escalation function. • Patient Impedance Range: 25 ~200ohm.
• First and only 12 leads ECG diagnosis function (Glasgow algorithm) in Korea. • Automatically change energy based on choice and possible selection of adult and child patients.
• Built-in 5 country voice / text guide selectable (voice / text group can be specified. • CPR feedback function enables effective CPR implementation. • Voice recording confirms and strengthens on-site measures. • Multi-parameter function – 3, 5 leads ECG, SpO2, 2 IBP, 2 temp. EtCO2, NIBP. • Ambulance holder – Enhances usability by applying rechargeable wall mount. • Bed rail function enables patient bed to be fixed, enhancing usability. • 2 batteries installed, extending the battery life to 9 hours. • Pacing current max 140mA possible. • Equipped with 80mm thermal printer leads to expressing 3 channel waveforms.

BASIC: Article-No. 10-4451

STANDARD: Article-No. 10-4452

ADVANCE: Article-No. 10-4450



SPECIFICATIONS

Display	8,4" TFT-LCD color 170 x 128 mm Resolution	Manual Mode	Shock Energy Level When connecting pads or external paddles: Adult: 1,2,3,4,5,6,7,8,9,10,15,20,30,40,50,75,100,125,150,175,200,300,360 J Pediatric: 2,3,4,5,6,7,8,9,10,15,20,30,40,50,75,100 J When connecting internal paddles: Adult/Pediatric: 1,2,3,4,5,6,7,8,9,10,15,20,30,40,50 J Automatic Discharge Time: 20, 60 seconds Synchronous Cardioversion: Energy transfer begins within 60msec of the QRS peak.	Interpretive Algorithm Respiration	University of Glasgow 12-Lead ECG Analysis Program IM Respiration Technique: Impedance Pneumography Range: 0~150 bpm Resolution: 1 bpm Accuracy: ± 3 bpm Base Impedance: 500 - 2000 Ohm Delta Impedance: ≥ 3 Ohm Lead Off Detection: Yes AW Respiration Technique: Non-dispersive Infrared Spectroscopy Range: 0 - 150 breaths/min Accuracy: ±1 breaths/min
Alarms	Categories: Patient - and System Status Priorities: Low, Medium and High Priorities Notification: Audible and Visual Setting: Default and Individual Alarm Volume Level: 45 to 85 dB				
Dimensions	310 x 290 x 215 mm (WxHxD) 6,5 kg				
Printer	Type: Thermal Weight: 190 g Channels: 1 to 3 channels Paper Type: Thermal transfer paper Paper Width: 80 mm Printer Speed: 25 mm/sec, 50 mm/sec	AED Mode	1 ch ECG measurement Lead: Lead II Patient Impedance: When connecting pads or external paddles: 25 - 175 Ohm When connecting internal paddles: 15 - 175 Ohm Heart Rate: 20-300 bpm Charging Time to 200J: Within 6 sec at AC/DC rated voltage. Within 7 sec with fully charged battery power.	NIBP	Pulse Rate Range: Adult/Pediatric/Neonatal 30-240 bpm Resolution: 1 bpm Accuracy: ±5% NIBP Technique: Oscillometric Measurement Measurement Modes: Off, Cont., 1,2,2.5,5,10,15,30,60,120 minutes / Edit program measurement interval Accuracy: ±3mmHg Resolution: 1 mmHg Defibrillator Protection: Protected
Electrical	Instrument: Power Requirement AC Mains 100 to 240V, 50/60 Hz, 140-130 VA Battery (Option) Type: Li-ion battery Dimensions: 105,40 x 143,97 x 36 mm (WxHxD) Voltage/Capacity: 452P 14.52V / 6600 mAh Discharge: A minimum of 200 shocks at 200 Joules (per battery) Operating Time: 5 hours per battery Recharging Time: 8 hours with operating Defibrillator / Patient Monitor - 5 hours with power off Dual Battery: Automatic Switching	Pacer	Mode: Demand or non-demand Rate: 30 ppm - 180 ppm (Increment unit = 2bpm) Accuracy: ±1,5% Output current: 0mA - 140mA Resolution: 2mA Accuracy: ±5% or 5mA, whichever is greater QES Marker: In the demand mode	IBP	Pulse Rate Range: Adult/Pediatric/Neonatal: 20-250 bpm Resolution: 1 bpm Accuracy: ±1bpm IBP Measurement Range: BP: -50 to 300mmHg Resolution: BP 1mmHg
Defibrillator	Biphasic Waveform / Biphasic Truncated Exponential / Resuscitation Guidelines: Selectable AHA/ERC	ECG	Heart Rate Measurement Rate: 0, 20 - 300 bpm Resolution: 1 bpm Accuracy: ±1 bpm or ±1%, whichever is greater ECG: Leads: 3/5/12 Lead Lead I,II,III,aVR,AVL,AVF,V1,V2,V3,V4,V5,V6, Paddles, Pads Lead Off Detection: Detected and displayed Pacer Detection: Detected pacer pulses of ±2mV to ± 700mV with pulse widths of 0.1 - 2msec and rise times 10% of width not to exceed 100 msec.	SpO2	Measurement Range: Medtronic Module: 1~100% Accuracy: Medtronic Module: No movement: ±2 digits (70-100%) Low Saturation: ±3 digits (60-80%) Low Perfusion: ±2 digits (70-100%) If movement: ±3 digits (70-100%)
Temperature	Probe Type: Thermistor probe YSI compatible type Measurement Range: 0.0 - 50°C (32-122°F) Resolution: 0.1°C Defibrillator Protection: Protected	Capnography	Display Parameters: EtCO2, InCO2 Measur. Range: 0-150 mmHg (0-20kPa, 0-20%) Not decreased according to respiratory rate or I/E ratio Display Accuracy: ±2 mmHg		
Trend	Type: 12 lead, Events, Trend Data Storage: Internal memory, SD card				



Fingertip pulse oximeter ME 5

Small and handy finger pulse oximeter

For spot-check measurement in patients >25kg • Digital dissolution of pulse, SpO2 and signal quality • Weight only 50 g incl. batteries • Measuring range of SpO2: 70-99 %, Pulse: 30-235 bpm • L 58 x W 32 x H 34 mm • Incl. batteries, bag, and carrying cord.

Article-No. 22-5206



Fingertip pulse oximeter ME 7

Digital SpO2 oximeter with pulse rate waveform

For measurement of oxygen saturation in the arterial blood (partial oxygen saturation or SpO2) • Displays SpO2, 3 pulse frequency value, battery performance and pulse intensity • The oximeter uses two types 1,5v AAA batteries • No alarm function available

Article-No. 21-5207



Fingertip pulse oximeter ME 10

Digital SpO2 oximeter with pulse rate waveform

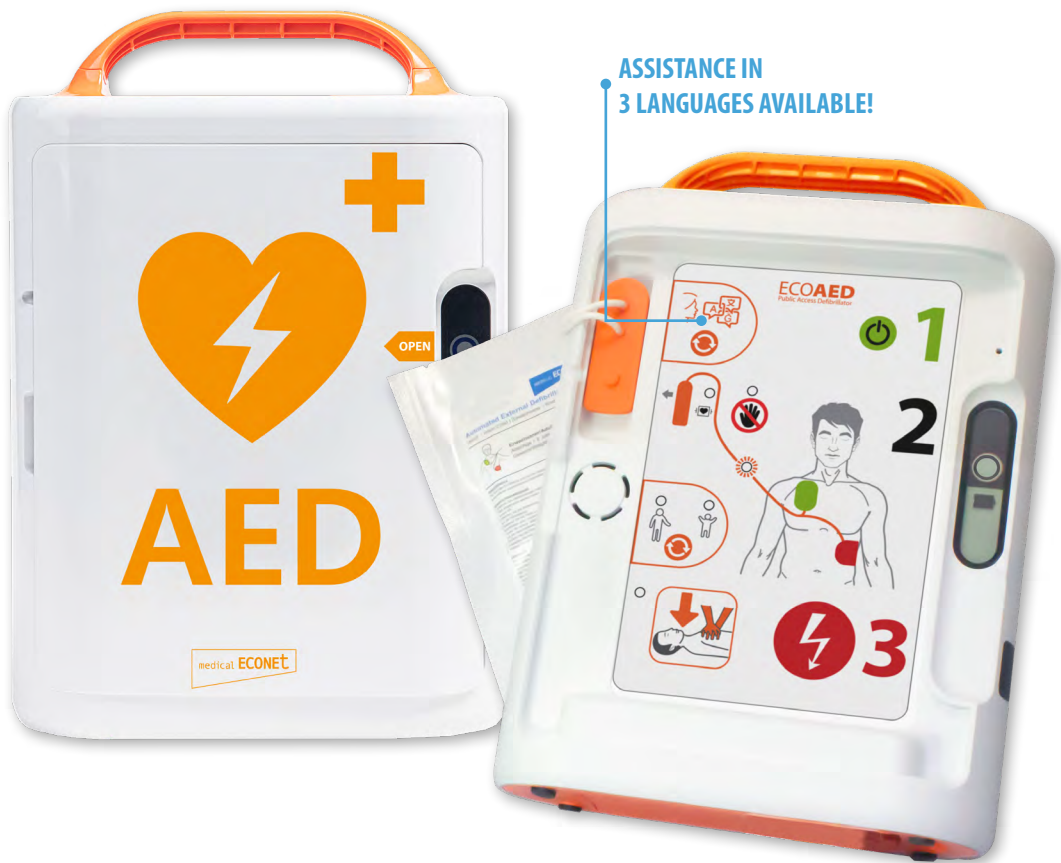
Display is switchable to six different positions • Coloured and numeric display of SpO2, Pulse and pulse as plethysmography • Weight only 50g (incl. batteries) • Measurement range of SpO2: 70-99 %, pulse: 30-235 bpm • With optional alarm function • L 60 x W 34 x H 30 mm • Incl. bag, carrying cord, 2 batteries AAA

Article-No. 22-5205

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For further information please contact: info@medical-econet.com

ECO-AED



ECO-AED

semi or fully automatic AED

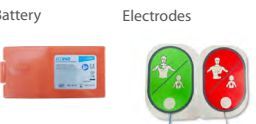
The most economical AED.

ECO-AED defibrillator is available in 2 versions: semi-automatic or fully automatic - Function to detect and inhibit pacemaker pulses - Light weight of only 1.97 kg - Fast shock delivery time - 3 pre-programmed languages to guide through CPR - Protection & isolation class IP 55 - Easy to convert from adult to child mode - In compliance with 2015 ERC guidelines, as well as AHA guidelines - Large clear display showing: self-test (failed/passed), battery level, temperature and pad status - The included pads can be used for adults as well as children - Periodic self-test: daily, weekly and monthly - The ECO-AED defibrillator has the possibility to store activities via an SD card - Optional PC software for a complete overview of events

Article-No. 11-4100 (semi)

Article-No. 11-4150 (fully)

OPTIONAL ACCESSORIES



10-4335	Wall cabinet with alarm	159,-
10-4336	Wall mount	109,-
10-4415	Electrodes adults/children	39,-
10-4416	Battery	179,-

SPECIFICATIONS

Dimensions	200 x 286,5 x 90 mm (WxHxD) approx. 1,95 kg incl. battery w/o pads
Defibrillation	Wave form: Biphasic truncated exponential (BTE) wave form (impedance compensation) Delivered energy: Adults: 170 - 195 joules $\pm$ 5% Children: 44 - 51 joules $\pm$ 5%
ECG	Leads: II (RA, LL) Patient impedance: 25 - 200 Ohm Detection: V/F: greater than or equal 0,2 mV V/T: Adults: greater than or equal 15 bpm Children: greater than or equal 180 bpm
Display	Controls: Power button, Shock button, Patient mode switch button, Voice dial button Indicators: Visible: Action icon, status LCD (AED status, battery status, temperature statistics, pads status), LED Audible: Audio speaker (voice indicator, CPR indicator), beeper (CPR indicator, power on, critically low battery, self-test failed, abnormal operation alarm)
Self-test	Cycle: Daily, weekly, monthly, self-test at power-up and battery insertion Test result: Status LCD display: „0“ / „X“
Data backup and communication	Internal memory, SD card slot, infrared communication port

ACCESSORIES SPECIFICATIONS

Adult and children pads	Shelf life: 2 years from date of manufacture Electrodes: Disposable pads Placement: Adults: Anterior-lateral Children: Anterior-posterior Minimum active gel area: 80 sq cm $\pm$ 5% Cable length: approx. 1,8 m
Environmental conditions	Temperature: Operation: 0°C - 43°C Storage: 0°C - 43°C Relative humidity: 5 - 95% RH (non-condensing)
Battery Type	Type: LiMnO ₂ , disposable primary cell, long service life. Voltage/Power: 15V, 3000 mAh Shelf life (original packaging): 2 years from date of manufacture Standard life AED: 5 years from date of manufacture Discharge: At least 200 shocks (excluding the CPR phase between defibrillation therapies) or more than 6 hours of operation at 20°C

INDIVIDUAL LANGUAGE PACKAGES POSSIBLE!
Both ECO-AED versions are equipped with 3 pre-programmed languages. However, you have the option of choosing the language that suits you best from over 25 language packages.

Please contact us!

For further information please contact: info@medical-econet.com



ME PAD SEMI

Public Access Defibrillator. Semi automatic AED for kids and adults

Shock output via shock button by following the instruction given by the device - All relevant data are internally stored - Long lasting battery: guarantees a standby time of up to five years or up to 200 shocks at full power - Automatic volume adjustment to the sound level of the surrounding environment - Daily, weekly and monthly automatic self-test - Emergency switch to pediatric mode without changing pads - Waveform: two phases E-cube - Weight: 2,4 kg incl. battery and pads - Dimensions: 260 x 256 x 69,5 mm - Incl. electrode pads for adults, battery and carrying bag

Article-No. 10-4300

SPECIFICATIONS ME-PAD Half- and Fully automatic

Output energy	Adults 150 Joule at 50 Ω Children 50 Joule at 50 Ω	Pads	Adults: Area: 120cm Cable length total: 120cm Shelf life: up to 24 months from the date of manufacture Children: Area: 46,43cm Cable length total: 120cm Shelf life: up to 24 months from the date of manufacture
Charging time	10 seconds max		
Charging time after CPR is completed	10 seconds at least		
ECG Derivation	Derivation II		
ECG Frequency response	1 Hz to 30 Hz		
ECG Impedance range	25 Ω bis 175 Ω (shock will not be delivered if the patient's impedance is beyond this range)	Data storage and transfer	Internal memory data capacity: 5 individual treatments, up to 24 hours per treatment SD card: Data may be copied from the internal memory to the SD card.
Accuracy	Sensitivity and Specificity ANSI/AAMI DF80 guidelines	Standards	Sealed housing: DIN EN 60529: IP55 ESD: EN 61000-4-2:2001 EMI (high frequency): EN 60601-1-2 limits, method EN 55011:2007 + A2:2007, Group 1, Class B EMI (Immunity): EN 60601-1-2 limits, method EN 61000-4-3:2006 + A1:2008 level 3 (10 V/m, 80 MHz bis 2500 MHz) Vibration operating: switched on: meets MIL-STD-810G, Fig. 514.6E-1, random test standby: meets MIL-STD-810G, Fig 514.6E-2, sliding sine (Helicopter) Environmental conditions: Operation: 0° ~ 43° C, 5% ~ 95% (non condensing) Standby: 0° ~ 43° C, 5% ~ 95% (non condensing) Transport: -20° ~ 60° C, 5% ~ 95% (non condensing), device only
Status LCD	Status of the device, battery level and status of the pads		
Speakers	Automatic volume adjustment to sound level of the surrounding environment		
Self-diagnostic test	Auto: switch ON, run-time, daily, weekly and monthly self-test Manual: test when the user inserts the battery		
Battery	Type: 12 V DC, 4,2 Ah LiMnO ₂ Capacity: at least 200 shocks with a new battery or 8 hours of operating time at room temperature +20°C Standby: at least 5 years from the date of manufacture		

Watch our „medical ECONET“ on youtube.com



ME PAD AUTO

Public Access Defibrillator. Fully automatic AED for kids and adults

Fully automatic shock output from the device - All the important data will be stored internally - Long lasting battery: Standby for up to 5 years or 200 shocks - Automatic volume adjustment to the sound level of the surrounding environment - Daily, weekly and monthly automatic self-test - Emergency switch to pediatric mode without changing pads - Weight: 2,4 kg incl. battery and pads - Dimensions: 260 x 256 x 69,5 mm - Incl. electrode pads for adults, battery and carrying bag

Article-No. 10-4600

10-4335	Wall cabinet with alarm
10-4336	Wall bracket
10-4303	Bag
10-4302A	Pads for adults
10-4306C	Pads for kids
10-43018	Lithium battery





ECG



SPECIFICATIONS

Dimensions	197mm x 112.4mm x 26.1mm (LWH), ca. 0.8Kg	Input impedance	≥ 100MΩ (10Hz)
Algorithm	Glasgow	Input current	≤ 10nA
HR-Range	30 bmp ~ 300 bmp	Calibration voltage	1mV±2%
Accuracy	±1	Depolarisation voltage	±900mV, ±5%
Leads	9, 12, 15, 18 line synchronous acquisition	Noise	≤12,5µV
Sampling rate	32.000 samples/sec	Amplitude quantisation	0,95 µV / LSB
Time constant	≥ 5s	Recovery time after defibrillation	<10s
Frequency	0.01Hz~350Hz (+0.4db-3.0db)	Pacemaker pulse indication	A pulse with an amplitude of ±2 mV ~ ±700 mV, a duration of 0.1 ms ~ 2.0 ms, an A-S rise time of less than 100 µs and a frequency of 100 / min can be displayed on the ECG recording.
Sensitivity	Auto, 2.5mm/mV, 5 mm/mV, 10 mm/mV, 20 mm/mV, 40 mm/mV, less then ±5% error	Minimum detectable signal	20µVp-p
Filter	AC Filter: 50Hz, 60Hz, Off EMG filter: 25Hz, 35Hz, 45Hz, Off ADS Filter: 0.01 Hz, 0.05 Hz, 0.32 Hz, 0.67 Hz Low pass Filter: 75Hz,100Hz,150Hz,300Hz,Off		
Paper speed	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s and 50mm/s, less then ±3% error		

OPTIONAL:

The CARDIO M-PAD 7, as well as the CARDIO M-PAD 10, can optionally be equipped with a robust transport bag, so that the device remains optimally protected during home visits.



RR-analysis mode

RR analysis mode supports conventional measurement parameters, RR interval histogram, RR interval difference histogram and other analytical functions. Glasgow algorithm equipped with intelligent entries that can quickly and automatically obtain diagnostic conclusions.



CARDIO M-PAD 7

Tablet ECG with touch screen

7" high resolution colour touch screen, easy to use. • Portable and compact size • Resolution: 1024 x 600 • Built-in rechargeable lithium battery • Can be powered by an external DC power supply • Input patient information via virtual alphanumeric keypad and barcode scanning • Output files in formats such as: PDF, BMP, HL7, DICOM, SCP • Supports wireless transmission of ECG data via WiFi and mobile networks • Supports laser printer via USB port and network printer • Includes: patient cable, chest wall electrodes, extremity electrodes, power supply, rechargeable battery, USB stick and protective cover.

Article-No. 11-6000



CARDIO M-PAD 7 supports WiFi for data transmission



Barcode scanning as easy as a smartphone



Connection side for patient cable



Connection side for USB stick for data transfer or external printer

CARDIO M-PAD 10

Tablet ECG with touch screen and docking station (printer and additional battery)

Portable design, compact size and light weight, easy to carry. • Colour touch screen, resolution: 1280 x 800 • Can be powered by external DC power supply, built-in rechargeable lithium battery or recorder base. • Supports synchronous acquisition and display of 9-/12-/15-/18-lead waveform and heart rate detection. • ECG algorithm to automatically analyse the acquired ECG curve, output readings and diagnostic results. • Supports auto mode, manual mode and R-R mode. • Provides 4 sampling modes: premature sampling, real-time sampling, periodic sampling and trigger sampling. • Supports automatic pacemaker detection and marking. • Supports ADS (Anti-Drifting System) and EMG (Electromyograph) disturbances. • Accurately identifies electrodes with poor contact and provides instructions. The limb and chest leads are checked for signal quality. • In AI server login mode, both offline and online ECG acquisition are supported. • Enter patient information via a full keyboard and barcode scanning. • Holding the ECG trace on the screen. • Output of files in various formats, e.g. Carewell ECG, PDF, BMP, HL7, DICOM, SCP. • Auto save function: Saves the ECG data when the report is printed. • Save, preview, review, edit, export, upload, print and search patient data. • Supports wireless transmission of ECG data via WiFi and mobile networks. • Prints ECG reports via an external printer or network printer. • Exports patient data to a USB stick via the USB port. • Supports user login authentication control; password or account and password authentication is required to use the device. • Supports local login and AI server login on the unit and displays departmental historical patient data according to login account. • Includes: patient cable, chest wall electrodes, extremity electrodes, power supply, battery, USB stick, 1x paper, screwdriver and protective cover.

Article-No. 11-6002



CARDIO M-PAD 10 supports WiFi for data transmission



Connection side for patient cable



Connection side for USB stick for data transfer or external printer



Loud speaker and camera for barcode scanning



Connection for direct current supply



ECG



SPECIFICATIONS

Dimensions	272,6 x 181,2 x 25,8 mm (LWH), ca. 1,2 kg	Paper speed	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s and 50mm/s, less then ±3% error
Dimensions Docking Station	274mm x 288mm x 111.2mm (LWH), ca. 2.5Kg	Input impedance	≥ 100MΩ (10Hz)
Algorithm	Glasgow	Input current	≤ 10nA
HR-Range	30 bmp ~ 300 bmp	Calibration voltage	1mV±2%
Accuracy	±1	Depolarisation voltage	±900mV, ±5%
Leads	9, 12, 15, 18 line synchronous acquisition	Noise	≤12,5µV
Sampling rate	32.000 samples/sec	Amplitude quantisation	0,95 µV / LSB
Time constant	≥ 5s	Recovery time after defibrillation	<10s
Frequency	0.01Hz~350Hz (+0.4db-3.0db)	Pacemaker pulse indication	A pulse with an amplitude of ±2 mV ~ ±700 mV, a duration of 0.1 ms ~ 2.0 ms, an A-S rise time of less than 100 µs and a frequency of 100 / min can be displayed on the ECG recording.
Sensitivity	Auto, 2.5mm/mV, 5 mm/mV, 10 mm/mV, 20 mm/mV, 40 mm/mV, less then ±5% error	Minimum detectable signal	20µVp-p
Filter	AC Filter: 50Hz, 60Hz, Off EMG filter: 25Hz, 35Hz, 45Hz, Off ADS Filter: 0.01 Hz, 0.05 Hz, 0.32 Hz, 0.67 Hz Low pass Filter: 75Hz,100Hz,150Hz,300Hz,Off		

DOCKING STATION



The docking station of the CARDIO M-PAD 10 contains the thermal printer battery and the indicators for operational readiness, whether the station is connected to AC power, the charging status of the battery and the printer readiness. The slider for locking/unlocking the device is also located there.

More information visiting: medical-econet.com

For further information please contact: info@medical-econet.com

CARDIO M-PRO



SPECIFICATIONS

Dimensions	360 x 276 x 130 mm (WxHxD) approx. 4,2 kg	Recorder	Thermal dot array Resolution: 8 dots/mm (vertical) 40 dots/mm (horizontal) Paper type: Folded Paper: 210mm x140mm x 20m (Z-type) Record width: 215mm (the effective record width of the device is 210mm)
Display	8" TFT LCD touchscreen, 800 x 480 pixels		
ECG leads	12 channels (standard)		
Measurement information of ECG waveform	HF, PR-interval, Duration of the QRS complex, QT/QTc, electrical R/QRS/T-axis, RV5/SVI-amplitude	Safety level	Class I, Type CF
Acquisition mode	Manual mode: 3-way, 6-way, 12-way Rhythm: Single-lead, 3x, R-R-R Automatic mode (3CHx4, 3CHx4+1R, 3CHx4+3R, 6CHx2, 6CHx2+1R, 12CHx1, 12CHx1_V6)	Power supply	Alternating current (A.C.): 100-240 V, 50/60 Hz, 30-100 VA Direct current (D.C.): 11.1 V/4.400 mAh, integrated rechargeable lithium battery After complete charging of the battery the power supply is sufficient for 5 hours of operation. Alternatively, it is possible to print out approx. 500 ECG reports in the automatic mode
Filter	EC filter: 25 Hz, 35 Hz, 45 Hz, Close Frequency filter: OFF/ON Lowpass filter: 75 Hz, 100 Hz, 150 Hz, 200 Hz, Close	Connections	1x SD card 2x USB 1x RJ-45 (Network)
Paper speed	5 mm/s, 6,25 mm/s, 10 mm/s, 12,5 mm/s, 25 mm/s, 50 mm/s, Tolerance: $\leq \pm 3\%$		
CMRR	>110 db		

CARDIO M-PRO

12-channel resting ECG with touchscreen

Resting ECG with A4 printout

12-, 6- and 3-channel ECG recording with recommended interpretation
• True 12-channel resting ECG: Time saving in comparison to 3- and 6-channel ECG recorder
• Illustration of all 12 channels one below the other or bundled in packages (2x6, 3x4)
• Clear structure in DIN A4 format
• Printout of the rhythm (lead) for 3- and 6-channel setting
• Manual ECG monitoring or 10-second-memory-ECG for interpretation
• Automatic recommended interpretation
• The interpretation function distinguishes between 140 diagnostic events on the basis of the Minnesota protocol
• Battery (standard)
• Incl. ECG accessory kit

Article-No. 11-2300

Special function keys for an efficient workflow in the practice.

Gender
switch
keyAge group
switch
keyMethod
switch
key

CARDIO M-PLUS

12 Channel Rest ECG with Touchscreen

12 channel Rest ECG with 7" Touchscreen

Touchscreen operation (full alphanumeric keyboard support) • USB memory/ USB barcode scanner / external USB keyboard • Direct and bidirect connection with PACS (optional) • 7" colour TFT LCD screen (800x480) • Preview function before printing - Extended data storage up to 200 ECG measurements -
• Various standard file formats • Auto print key for analysis, storage and printing of results • Long-term ECG recording and automatic arrhythmia detection • 12 channel Rest ECG with 130 Diagnostic interpretation • Dimensions: (WxLxH) 296 mm x 305 mm x 97,5 mm
• Weight: 3.2 kg • Power supply: mains or battery • Voltage: 95 - 240 Volt AC / 50-60Hz
• Power consumption: 60 Watt (max.) • Safety: Class I / Type BF

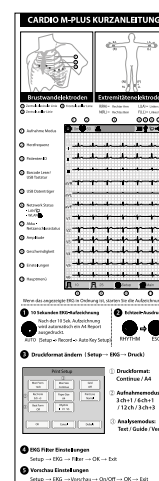
Article-No. 12-3900



SPECIFICATIONS

Dimensions	300 x 299 x 123 mm (WHL), about 4 kg	Sampling rate	500 sample per second
Display	7" TFT color display (800 x 480)	Filter	AC (50/60 Hz, -20 dB or better) Muscle (25 ~ 35 Hz, -3dB or better) Base line drift (0,1 Hz, -3 dB or better) Low pass filter (OFF, 40 Hz, 100 Hz, 150 Hz)
Standard Parameters	Heart rate, PR, QRSD, QT/QTc, P-R Axis	Ground voltage	20uV (p-p)max
Recording channels	3CH + 1 RHY, 3CH + 3 RHY, 6CH + 1 RHY, 12CH, 1CH long time (1 min, 3 min, 5 min, 10 min) and special report	Input impedance	$\geq 50M\Omega$
User interface	Touchscreen, hotkey, barcode-scanner, USB port	Input	$\geq \pm 5$ mV
Interfaces	LAN, WiFi (optional), 2x USB port	CMRR	> 100 dB
Input power	95~240 VAC, 50/60 Hz, 1.5 A	DC-Off set voltage	3.2 seconds
Output power	60 VA max	Current leakage on patient	<10µA
Battery	Removable and rechargeable Lithium battery (optional)	Recording	12 channel auto, rhythm, arrhythmia detection
Battery capacity	360 minutes continuous functioning without recording or 200 ECG's with full load	ECG Data storage	Internal memory up to 200 ECGs, USB stick
		File format	PDF, JPG, XML, MFER, DICOM

Helpful instructions on the device



CARDIO SERIES - ACCESSORIES

ECG cable



13-5369 ECG patient cable (New type) banana type



13-5367 ECG patient cable snap type



10-2035 ECG cable clamp type for disposable electrodes



91-9505 ECG patient cable banana type for CARDIO M PAD

Others



10-3001 Mobile cart with drawer



10-2090 Rechargeable NiMH Battery CARDIO M



10-4111 Rechargeable Li-Ion Battery CARDIO M-PLUS



30-2105 Rechargeable Li-Ion Battery CARDIO E3



11-4105 WiFi (USB-Dongle) CARDIO M-PLUS

Electrodes



10-2039 Adapter for Disposable Electrodes (10pcs)



13-2103 Limb Electrodes, adult (4pcs/pack)



13-2104 Limb Electrodes, pediatric (4pcs/pack)



13-2101 Chest Electrodes, adult (6pcs/pack)



13-2102 Chest Electrodes, children (6pcs/pack)



10-3700 Disposable Electrodes (30pcs/pack)



10-2107 Ped./Neo Disposable Adhesive Electrodes

Paper



10-2301 Z-Folder Paper for CARDIO M-PRO (10pcs)



10-2022 Roll Paper for CARDIO M series (25Rolls/box)



30-2101 Roll Paper for CARDIO E3 (5Rolls/box)

For further information please contact: info@medical-econet.com

Watch our „medical ECONET“ on youtube.com

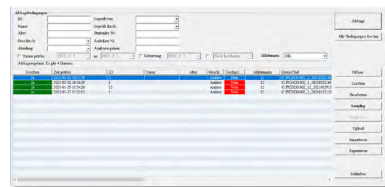
SPECIFICATIONS

Dimensions	310 x 244 x 65 mm (WxHxL) about 2,1 kg	Recording	Method: thermomatrix printing Resolution: ≥ 8 points/mm (vertical) ≥ 32 points/mm (25 mm/s), ≥ 16 points/m (50 mm/s) (horizontal) Print paper: 80mm wide, roll
Display	7" LCD colour screen, 800 x 480 Pixels	Security level	Class I, Type CF
Derivations	12 (Standard)	Power supply	AC: 100–240 V, 50/60 Hz, 30–100 VA Direct current: 14,8 V/2.200 mAh, built-in, rechargeable lithium battery Fully charged battery allows 5 hours operations and continuous printing for about 3 hours. Manual mode: about 600 ECG reports with 3x4+1R automatically printed. The battery takes 5 hours to charge in normal functioning, from complete discharge to 90% capacity.
Measured parameters	HF, PR interval, QRS complex, QT/QTc, electric R/ QRS/T-axis, RV5/SVI-amplitude		
Acquisition mode	Manual mode (manual 1, manual 2, manual 3, manual 6, manual 12) Rhythm mode Automatic mode (3CHx4, 3CHx4+1R, 3CHx4+3R, 6CHx2, 6CHx2+1R, 12CHx1)		
Filter	AC filter (mains filter): 50 Hz / 60 Hz / OFF EMG filter (EMG filter): 20 Hz / 25 Hz / 30 Hz / 35 Hz / 40 Hz / 45 Hz / OFF DFT-filter: 0,05 Hz / 0,15 Hz / 0,25 Hz / 0,32 Hz / 0,5 Hz / 0,67 Hz / ADS / OFF		
Paper speed	5 mm/s, 6,25 mm/s, 10 mm/s, 12,5 mm/s, 25 mm/s, 50 mm/s, tolerance: $\leq \pm 5\%$		
CMRR	>98 db		

CARDIO E3 - DATA MANAGEMENT SOFTWARE

Turns a 3-lead ECG into a 12-lead ECG - Simple user interface. Real time ECG.
- High-resolution ECG printout - Includes database management module - Database interface can query, import, export and upload patient dataset - Interface Ethernet or USB - Export file formats: Image formats: PDF, JPG, BMP / Data formats: FDA-XML, EM-XML, SCP, BKG, DICOM

Article-No. 30-2107



Clear Database

CARDIO E3

3- Channel Rest ECG

12 simultaneous derivations including automatic ECG interpretation programm • Sampling frequency: 1000 Hz, Pacemaker detection 10.000 Hz • Filters: Muscle Tremor- 30 / 40 Hz adjustable / Mains filter to suppress 50 / 60 Hz interference Baseline filter selectable • Recording speed 5 / 10 / 25 / 50 mm/s • Programmable sensitivity: 2,5 / 5 / 10 / 20 mm/mV - Automatic or manual mode • Control panel: Alphanumeric • Printing method: High resolution thermal comb printing • External USB-printer with PCL6-language • Data storage: SD Card, USB-Stick, networkable by LAN cable • Power supply 100 – 240 VAC, 50 / 60 Hz • Built-in, rechargeable lithium battery • Dimensions (WxHxL): 310 x 244 x 65 mm • Weight: 2,25 kg • Incl. ECG-accessories

Article-No. 31-2300



LAN cable connection



Data saving on a SD card & USB memory stick

ECG accessory set included with every Cardio devices:



Paper, ECG-patient cable, power cord, 6x chest electrodes, 4x clamp electrodes, ECG gel, user manual

CARDIO M

12- Channel Rest ECG

Rest ECG with A4 printer

12, 6 and 3 channel ECG • Recommended recording with interpretation • Real 12 channel Rest ECG: Time saving compared with 3 and 6 channel records. Display of all 12 channels individually or in packages (2x6, 3x4) • Clear display in DIN A4 format • Printout of the rhythm derivation with 3 - 6 channel setting • Manual ECG monitoring or 10 second recording for ECG interpretation • Automatic interpretation • The interpretation function distinguishes among 25 different diagnostic cases based on the Minnesota protocol • Optional rechargeable battery • Incl. ECG accessory set • Including free download version of ECG Cardio archive

Article-No. 12-2200



SPECIFICATIONS

Derivations	12 channel
Recording channels	1, 3, 6 and 12
Sensitivity	5, 10, 20, auto (I~aVF: 10,V1 ~ V6:5) mm/mV
Parameters	Heart rate PR, QRS, QT/QTc, P-R-T Axis
Display	2 line text display
User interface	Keyboard
Available characters	Alphanumeric & special characters
Printer	Speed: 12,5, 25, 50 mm/s Type: Thermo printer Width printout: 204 mm Vertical resolution: 8 Points/mm Horizontal resolution: 16 Points/mm Paper type: Thermo roll
Network filter	50/60 - 20dB or better
Muscle filter	25 ~ 35 Hz - 3dB
Zero line	0,1 Hz - 3 dB or less
Low pass filter	off, 40 Hz, 100 Hz, 150 Hz
Patient data	ID, name, age, gender, height, weight
Communication	PC connection by LAN interface
Defibrillation protection	Available
Input impedance	$\geq 10\text{M}\Omega$
Input	$\geq \pm 5\text{ mV}$
Voltage	Supply: mains or battery Area: 100-240 Vax, 50/60 Hz, 1.0-5.0 A

Power consumption	60 W max
Safety	Class I, type BF
Humidity	30 ~ 85%
Operating temperature	10°C ~ 40°



Optional: Mobile cart

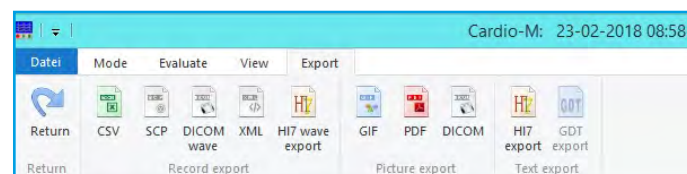


Complete accessory list available on request.

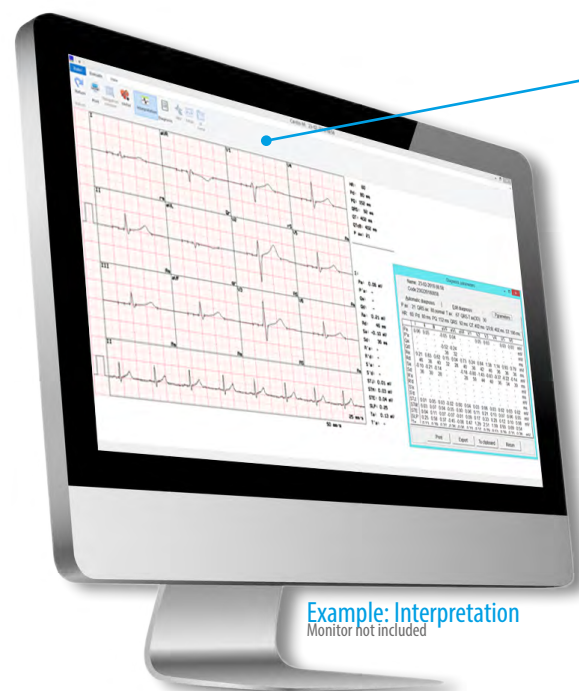
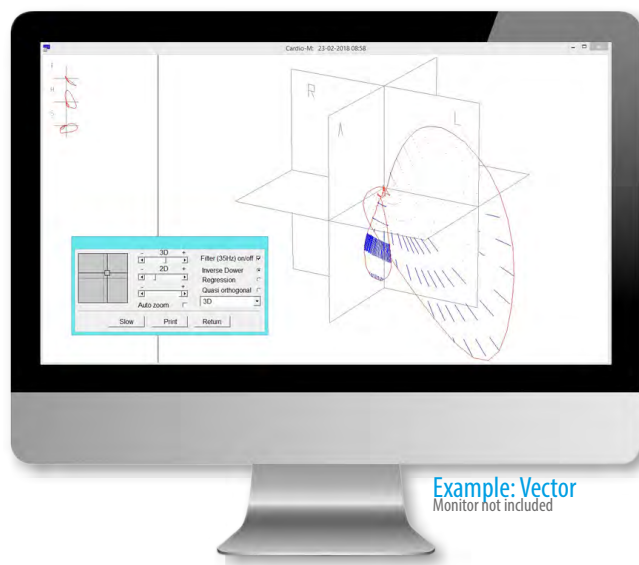
OPTIONAL ACCESSORIES

10-2090	CARDIO M battery
10-4111	CARDIO M-PLUS & new CARDIO M battery
10-2022	Paper for CARDIO (25 Rolls)
13-2101	Chest suction electrodes adult 6 pc.
13-2102	Chest suction electrodes child 6 pc.
13-2103	Clamp electrodes adult (red, yellow, green, black) 1 Set
13-5369	ECG-patient cable with 4mm banana plug - 1 Set
10-2035	ECG-patient cable with adaptor clamp - 1 Set
13-5367	ECG-patient cable with push button adapter - 1 Set
10-2038	Push button adapter for 4mm banana plug - 1 pc.
20-3112	3L Calibration pump Piston
10-3700	ECG Solid gel adhesive electrodes $\varnothing$ 50mm - 30 pc
10-2107	Solid gel adhesive electrodes for child $\varnothing$ 30 mm - 30 pc
11-2062	Electrodes for quickels suction unit - 128 pc

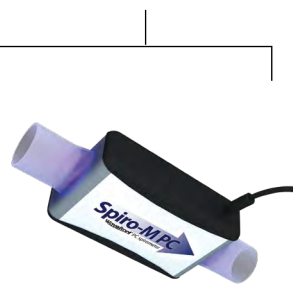
More information visiting: medical-econet.comWatch our „medical ECONET“ on [youtube.com](https://www.youtube.com)



Export options

Example: Interpretation
Monitor not includedExample: Vector
Monitor not included

Long term blood pressure monitor



Spirometer



Long time ECG



Stress ECG

The products shown here are not included, but must be purchased additionally. For an individual offer please contact us.

CARDIO M-PC

ECG Workstation

The state of the art microelectronic combined with cardio software, make Cardio M-PC the ideal solution for your ECG workstation. An easy connection by USB port allows the mobile use by notebook PC.

12 channel ECG Einthoven, Goldberger, Frank, Nehb • Interval-(8/ 16/ 32 seconds) and continuous ECG data storage • ECG- Display and ECG- Comparison • Automatic measurement and interpretation by Mortara-Rangoni Algorithm • Assessment of heart rate variability (HRV) • 2D / 3D- Vector View • Emergency- ECG function • Network access up to 256 working stations (optional) • Expandable with spirometer, long term blood pressure measurement and long term ECG • HL7- interface for connection to EDP system

CARDIO M-PC BASIC
Rest ECG software
Article-No. 90-9500

CARDIO M-PC Net
rest ECG, network license
Article-No. 90-9501

CARDIO M-PC Ergo/Net
rest ECG, stress ECG, network license
Article-No. 90-9502

DDC digital diagnostic center software
Article-No. 31.91-9501

SPECIFICATIONS

Sampling rate	2000 Hz per channel	PC connection	USB	Operating system	Windows 7, Windows 8
Input impedance	> 10 MOhm	Power supply	+5 V (100mA) via USB-Port	Processor	min. 1,6 GHz Dual Core
Accuracy	0,05 µV/bit	ECG connection	12-pol standard	RAM	min. 2 GB RAM
A/D Converter	24 Bit	LED	Yellow: USB connection Green: ECG-monitoring	Hard disk	min. recommended 500 GB
CMRR	> 120 dB	Safety	IEC 601, BT-Type, Class II, USB galvanically isolated	Interface	1 free USB-port
Polarisation voltage	400 mV	Defibrillation protection	5kV (max. 1kV/µsec)		
Time constant	1,6 sec.	Dimensions	131 x 73 x 25 mm		
Linearity error	< 0,5% < 1/2 LSB	Weight	140 g		
Filter	524 Hz Low pass (hardware) 50, 100, 200 Hz (selectable) 60, 120 Hz (selectable) 35 Hz Tremor (selectable)	Measurement/ Interpretation	Mortara-Rangoni		
Leads	12 standard Frank Nehb	Interface	GDT, HL7, DICOM heart rate variability (HRV), arrhythmia detection, 2D/3D ECG-vector, emergency - ECG function, ECG-report transmission via Internet / ergometer control		

Advanced microprocessor synthesized by a software designed for cardiologists, ensure Cardio M-PC as ideal instrument for your ECG workstation. Mobile application on notebook PC is supported by the USB port.

Cardio M-PC package includes the high-powered ME-diagnosys center software with patient data base and HL7 interface for binding to the EDP system in practice, clinic, or for being integrated into the existent network. During the recording and afterwards, it is possible to adjust the ECG amplitude, the speed and the filter programme, to provide even better overview. During evaluation, the stored ECG data can be displayed in different views and compared up to other 5 ECGs.

During ergometry, compatible treadmills, bicycle ergometers and blood pressure monitors are automatically controlled, and all ECG records are continuously analyzed and saved. The ECG data, together with heart rate, blood pressure value of heart rate variability (HRV) and the ST segment measurement are available in graphical and tabular form. Any comment entered during the stress ECG session, can be printed out separately at any time.

By applying Spiro M-PC, PhysioPort long time blood pressure monitor or Cardio M Holter long time ECG, you can enhance Cardio M-PC to a fully featured diagnostic station.

CARDIO TRAK

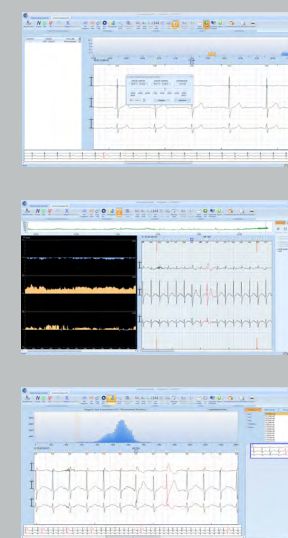
Long term ECG incl. Software

Sampling rate 10.000 Hz • Patented automatic analysis • Energy saving : 1x AAA battery for 96 hours recording • Light and comfortable, only 63g weight • Automatic pacemaker recognition • Complete data transfer within 10 seconds • LCD display for monitoring and electrode placement • Incl. patient cable (5 lead), software, SD card and bag.

Article-No. 90-9450A

SPECIFICATIONS

ECG channel	3 channel (5-lead ECG Cable)	Dimensions	91 x 57 x 16,5 mm	Battery type	1x AAA
Operation	LCD-display, indicator light, buzzer, button	Weight	about 60g	Storage temperature	-40°C - 50°C
Sampling rate	10.000 Hz	A/D accuracy	16 Bit	Humidity	max. 95%
Memory	4GB SD-Card	Frequency	0,05 ~ 410 HZ @ 3dB	Operation at altitude	-150 - 4500 meters
Recording time	24/48 hours 7/14 days (optional)	Resistance	> 10 MΩ	Storage	-150 -4500 meters
Pacemaker detection	3 channel synchronization detection	CMRR	> 90 dB		

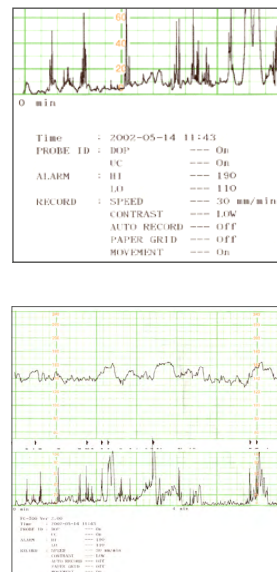


Software (Standard)



More information visiting: medical-econet.com

For further information please contact: info@medical-econet.com



SMART 1

Cost Effective CTG Device with DIN A4 Printer

Alpha numeric display of the fetal heart frequency and uterus contraction • Highly sensitive 1MHz probe technology • Easy readable print in DIN A4 format with CTG report • Capturing of fetal movement • Acoustic alarm, adjustable alarm limits of heart rate • Intuitive concept with compact operating manual on the device • Print speed adjustable: 1, 2 or 3 cm/min. • Adjustable volume of fetal heart sounds • Incl. 1 ultrasound probe with 9 crystals and 1MHz, 1 toco probe for uterus contraction, electrical event marker, straps for probe fixing, 2 rolls of printing paper, ultrasound gel, power cable and user manual. Dimensions: (BxDxH) 296 mm x 305,5 mm x 97,5 mm. Weight: ca. 4 kg

Article-No. 11-7000

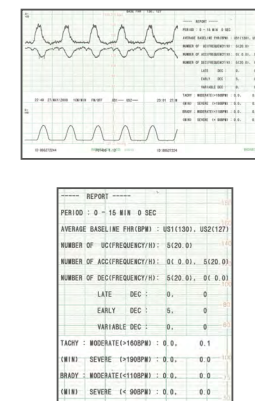
SPECIFICATIONS

Ultrasound		Printer		Settings	
Frequency	1.0 MHz	Printer thermal array type	215 x 30 mm	Alarm	Upper / low limit value
Intensity	< 10mW / cm ²	Print speed	1, 2, 3 cm/min	Record / Printing	Speed, paper grid, fetal movement on / off
FHR Range	50-240 bpm	Auto paper feeding function	yes	Input power	240 V (50/60 Hz), 18V / 2,5 A Power supply
FHR Accuracy	± 1 bpm	Display		Others	Date / time, print contrast, auto print
Fetal movement detection source	Pulsed ultrasonic probe	Type	7 segment LED, 2 channels (FHR, UC)	Additional functions	
Probe type	9 crystal elements	Display	Indicator of fetal heart rhythm and uterus contraction.	Eventmarker	yes
Uterus contraction		Further indications	Alarm on, autoprnting on/ off, AC power set up	Auto fetal movement Detection	yes
Type	UC probe			CT-Report	yes
Frequency response	DC ~ 0.5 Hz				
Measurement range	0 ~ 99 units				
Reference (zero) control	yes				

SMART 3

Twin Fetal Monitor with 7" Touch-Screen

Display of fetal heart rate of two fetuses and uterus contraction alpha numeric and in curved form • Recording of movement of both fetuses (Fetal Movement) • High sensibility by 1MHz probe frequency • Printout of all parameters in DIN A5 format • Integrated base CTG analysis incl. STV • Documentation of system data on the print • Free configurable note list for use during CTG recording • Adjustable alarm limits and acoustic alarming • 72 - hours trend data storage and volume regulation • Dawes/Redman criterion • Acoustic stimulator (optional) Rechargeable battery (optional) operation: Up to 2 hours if accumulator is fully loaded • Network possibility by LAN for data transfer LAN, Wi-Fi- converter (optional) • Transfer of stored data on a USB-memory (JPEG) • Live transfer to a free central software to archiving the data on the PC - central software for up to 16 devices (optional) • Dimensions: 296 (W) x 305,5 (D) x 97,5 (H) • Weight: 2.9 kg



Article-No. 11-4200

SPECIFICATIONS

Display	7" Colour display with 800 x 480 pixels	Auto CTG analysis	Average baseline FHR Number of TOCO Number of acceleration Number of deceleration: Late, early, variable High/Low episode Short term variability Signal loss *CTG Analysis results is printed out every 10 minutes
Printer	Type: thermal Paper format: 152 x 30 mm / 215 x 30 mm Paper type: thermal rollers Print speed: 1, 2, 3 cm/min Paper feeding function	Data storage	72 hours
Fetal heart rate	Input signal: ultrasound pulsed doppler FHR detection method: autocorrelation FHR range: 50~210 FHR accuracy: 120~160: ± 1 bpm Except: 120~160: ± 2 bpm	Power	Input: 100~240VAC, 50/60 Hz, 1.5 A
Ultrasonic probe	Frequency: 1.0 MHz Intensity: <10mW/cm ²	Battery	Li-Ion Battery operation: up to 2 hours (fully charged)
Uterine contraction	Input source: External transducer Automatic zero matching Measurement range: 0~99	External link	LAN, WiFi, USB, SD



ECOsound

Waterproof Pocket Fetal Doppler



Large LCD to display the heart rate and battery status • Highly sensitive 2 MHz transducer • Active noise reduction to optimize signal quality • 1.2 W integrated speaker with infinitely variable volume control • Audio output-jack for earphone • Auto shut off after 5 minutes • Ca. 6 hours operating time at ongoing measurement • Usage: from 10th week of pregnancy • Delivery with bag, ultrasound gel and 2 AA batteries • Display: LCD • Measuring range of heartrate: 50-240 bpm • Accuracy: ± 2% • Ultrasound intensity: <10mWatt / cm² Power supply: 2 x AA batteries, 1,5V

Article-No. 71-2600

SPECIFICATIONS

Display	LCD Display
Heart rate range	50-240 bpm
Accuracy	± 2%
US-Frequency	2 MHz
US-Intensity	<10mW/cm ²
Speaker output power	1.2W (integrated loud speaker)
Audio output for earphone	yes
Auto shutt-off	after 5 minutes
Power supply	2 x AA batteries, 1.5V
Sensitivity	10 weeks onward

OPTIONAL ACCESSORIES SMART-SERIE

10-4111	Accumulator SMART 3 (NEW)	70-3465	Bag
10-7034	Ultrasound probe SMART 3 (NEW)	60-2610	USB to serial-adapter incl. RS232 cable
10-7035	Toco probe SMART 3 (NEW)	10-2090	Accumulator SMART 3 (OLD)
11-4104	Acoustic stimulation probe SMART 3 (NEW)	10-1421	Printing-paper SMART 5
11-4105	USB-WiFi Stick SMART 3 (NEW)	50-9010	Waterproof US-probe Insight-Series
11-1434	Ultrasound probe SMART 3 (OLD)	50-9011	Waterproof UC-probe Insight-Series
11-1435	Toco probe SMART 3 (OLD)	50-9012	Event Marker Insight-Series
11-7028	Ultrasound probe SMART 1	50-9020	Paper Insight-Series
11-7029	Toco probe SMART 1	10-3018	Equipment trolley with drawer
10-7014	Event Marker SMART-Series		
50-5032	CTG belt set (3 pc.)		
10-1420	Paper SMART 3 (15cm x 30m)		
10-7022	Paper SMART 1 (21cm x 30m)		
99-1036	Ultrasound gel 0,25L		
10-8000	Mobile tripod for SMART-Series		

The packaging unit for printer paper is: 25 rolls / folding layers.



SMART 1 Probes + Marker

Bag



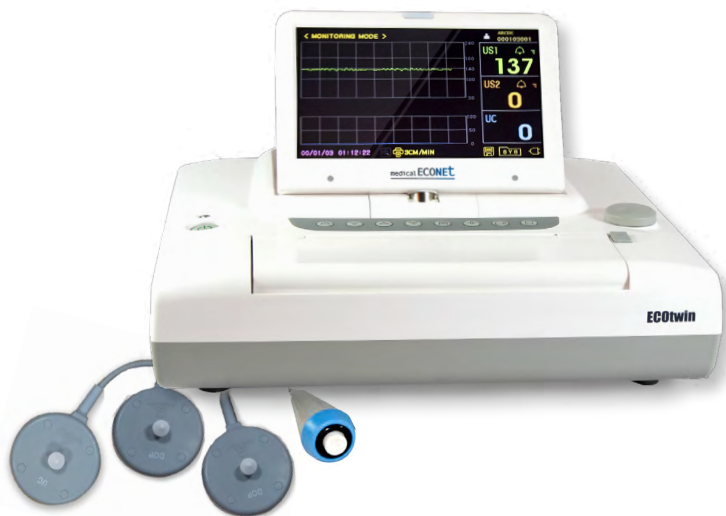
CTG-belt Set



SMART 3 Toco-Probe (old)

Watch our „medical ECONET“ videos on youtube.com

Your contact: Mieszko Blaszcak 0 208 / 377 890 37

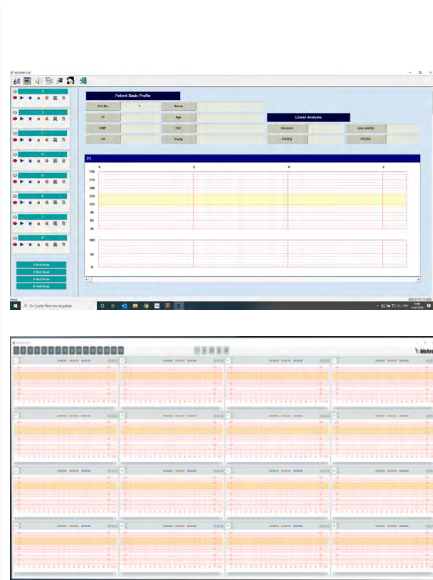


SPECIFICATIONS

Ultrasound		Fetal movement	
Probes	9-Crystal-Probes	Method	Ultrasound for recognition
Doppler	Pulsed	Movement	Dual fetal movement
Ultrasound frequency	0,985 MHz	Display	
Intensity	< 10mW /cm2	Size	7" TFT Colour display (LCD)
FHR Area	50 ~ 240 bpm	Display	Heart rhythm
FHR Accuracy	± 2%	Printer	Record speed: 1, 2, 3 cm / min Auto record period: 10, 20, 30, 40, 50, 60 min Alarm status display via LED
Waterproof	IPX7	Sound	
Uterus contraction		Heart rate	with volume setting
Measurement	External	Key tone	yes
Frequency response	DC ~ 0,5 MHz	Alert	Paper OFF Probe error Low battery level
Calibration function	yes		
Measuring range	0 ~ 99		

OPTIONAL ACCESSORIES

- 70-3494 Waterproof US-probe
- 70-3495 Waterproof Toco-probe
- 70-3482 Eventmarker ECOtwin / BT-350
- 50-5032 CTG belt set (3 pc)
- 70-3455 Paper 9cm x 15m (30-240bpm) red
- 70-3454 HP Paper M1911A (50-210bpm) green
- 99-1036 Ultrasound gel 0,25 L
- 70-3465 Bag
- 71-3451 Mobile tripod
- 70-3493 Accumulator ECOtwin
- 70-3040 Ultrasonic probe BT-300
- 70-3035 Toco probe BT-300
- 70-3020 Paper BT-300
- 10-3018 Trolley with drawer
- The packaging unit for printer paper is: 25 rolls / folding layers.



Software BCM350 inclusive

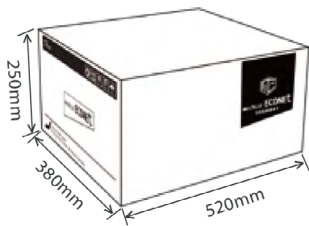
ECOtwin LCD

Fetal Monitor for twins

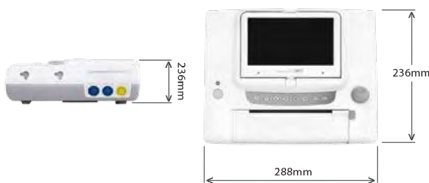
7" colour LCD display, rotatable by 270 ° • Ultra sensitive 9-crystals US-probes with 0,985 MHz frequency • Waterproof probes (US & UC) • Integrated Li-Ion battery • 450 hours internal data storage • Easy to transport • Monitoring of fetal movement • Wall mounting option • Selectable scaling (international / european) • Easy data transfer through USB stick • LAN-interface • Supplied with two ultrasound probes, 1 TOCO-probe, electronic event marker, CTG-belts, paper, ultrasound gel, power supply, bag

Article-No. 71-3480

Settings	
Alarm limits	Over-under limit
Date & Time	yes
Print contrast	1, 2, 3
FHR volume	yes
Other	Print speed, Zoom-function
Interfaces	
RS-232C	yes
USB	yes
LAN	yes
Functions	
Event marker	yes
UC-calibration	yes
Zoom	yes
Others	Base Anteparum CTG-Analysis (LED)



Weight: ca. 7kg



Shipping information

More information visiting: medical-econet.com

ECOtwin LED

Fetal Monitor for twins

7" colour LCD display, rotatable by 270 ° • Ultra sensitive 9-crystals US-probes with 0,985 MHz frequency • Waterproof probes (US & UC) • Integrated Li-Ion battery • 450 hours internal data storage • Easy to transport • Monitoring of fetal movement • Wall mounting option • Selectable scaling (international / european) • Easy data transfer through USB stick • LAN-interface • Supplied with two ultrasound probes, 1 TOCO-probe, electronic event marker, CTG-belts, paper, ultrasound gel, power supply, bag

Article-No. 71-3490

SPECIFICATIONS

Ultrasound		Fetal movement		Settings	
Probes	9-Crystal-Probes	Method	Ultrasound for recognition	Alarm limits	Over-under limit
Doppler	Pulsed	Movement	Dual fetal movement	Date & Time	yes
Ultrasound frequency	0,985 MHz	Display		Print contrast	1, 2, 3
Intensity	< 10mW /cm2	Size	7-Segment LED display (LED)	FHR volume	yes
FHR Area	50 ~ 240 bpm	Display	Heart rhythm	Other	Print speed, Zoom-function
FHR Accuracy	± 2%	Printer	Record speed: 1, 2, 3 cm / min Auto record period: 10, 20, 30, 40, 50, 60 min Alarm status display via LED	Interfaces	
Waterproof	IPX7	Sound		RS-232C	yes
Uterus contraction		Heart rate	with volume setting	USB	yes
Measurement	External	Key tone	yes	LAN	yes
Frequency response	DC ~ 0,5 MHz	Alert	Paper OFF Probe error Low battery level	Event marker	yes
Calibration function	yes			UC-calibration	yes
Measuring range	0 ~ 99			Zoom	yes
				Others	Base Anteparum CTG-Analysis (LED)



Comfortable for patients

For further information please contact: info@medical-econet.com

inus|S

US-bone densitometer with PC integrated

inus|S offers a fast and easy measurement of bone density of the calcaneus (heel bone) • Easy-to-use device thanks to intuitive software and integrated PC • It measures the SOS (speed of sound) and BUA (Broadband Attenuation) thus calculating the BQI (bone quality index) • High precision

- Automatic adjustment of gel pads for optimal foot positioning
- High measurement speed (15sec.)
- 6,4" touch-screen with built-in printer
- Internal storage up to 10.000 patient data
- USB connection for external printer (DIN A4 printout - Reporting - VGA output – display
- Dimensions 32 x 62 x 30 cm • Weight 12 kg

Article-No. 41-1300

SPECIFICATIONS

Measurement	Calcaneus (Heel)
Measurement time	approx. 15 seconds
Measurement results	Bone density & bone quality index (BQI) derived from the measurement results of the broadband size and speed of sound
Accuracy In Vivo	SOS (C.V.%) 0,2; BUA (C.V.%) 1,5; BQI (C.V.%) 1,5
Coupling	Automated ultrasound tubes with gel pads (without water)
Printer	Integrated thermo printer External colour printer (optional)
System requirements	
Connections	2x USB, VGA, PS2, power supply
Input	Touch screen or external hardware
Display	6,4" TFT colour display with touchscreen
Hard disk	Storage up to 10.000 patient data
Dimensions and weight	31 x 61,5 x 29,3 cm, 15 kg

SPECIFICATIONS

Scan-type	Point source emitter	Full-Body Scan	no
Scan-time		Skoliosis & Kyphosis detection	no
Spine	approx. 2 min.	Lateral measurement	no
Femur	approx. 3 min.	LVA measurement	no
Scan-area		Software	Windows 7, 8, 10
Femur	12 x 5,6 cm	Picture storage / Interface	DICOM / PACS
Spinal column	16 x 6,4 cm	Dimensions	max. 200 x 82 x 122 cm min. 121 x 82 x 122 cm
Measurement method	Non-Stop Scan (L1-L4, Dual Femur)	Weight	131 kg
Calibration	Automatic by measurement phantom	Package content	PC-workstation Printer PC-mouse, keyboard PC-desk Screen Power/Network cables
Analysis option	BMD, T- and Z-Score		
Paediatrics function	no		
Orthopaedics function	no		
FRAX® Analysis	yes		

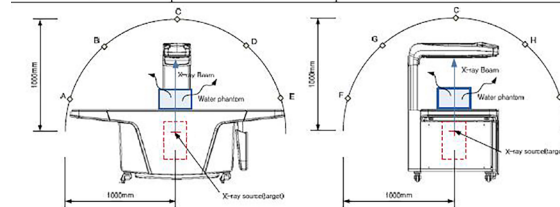


We offer to our customers of our DXA-Systems the worldwide support of remote maintenance. You can contact us in order for periodic check ups of your system or for helping you with the installation.

Feel free to speak to us for more detailed information about this topic and we will be happy to support you.

The Amount of leaked radiation of INUS D is as follows.

No	Position	Value of measured scatter radiation (uSv/hr)
1	A	0.862 uSv/hr
2	B	1.048 uSv/hr
3	C	1.012 uSv/hr
4	D	1.132 uSv/hr
5	E	0.958 uSv/hr
6	F	0.267 uSv/hr
7	G	0.209 uSv/hr
8	H	1.168 uSv/hr
9	I	1.156 uSv/hr



Key facts about Osteoporosis

Bone mineral density measurement is underutilized in majority of European countries. Reasons include limited availability of densitometers, restrictions in personnel permitted to perform scans, low awareness of usefulness of BMD testing, limited or non-existent reimbursement. (IOF (2001) Osteoporosis in the European Community: A Call to Action.)

The number of new fractures in 2010 in the EU was estimated at 3.5 million, comprising approximately 620,000 hip fractures, 520,000 vertebral fractures, 560,000 forearm fractures and 1,800,000 other fractures. (Hernlund E, Svedbom A, Ivergard M, Compston J, et. al. Osteoporosis in the European Union: Medical Management, Epidemiology and Economic Burden.)

Up to 20% of patients die in the first year following hip fractures, mostly due to pre-existing medical conditions. Less than half those who survive the hip fracture regain their previous level of function. (Keene GS, Parker MJ, Pryor GA (1993) Mortality and morbidity after hip fractures. BMJ 307:1248.)

Identifying and treating patients at risk of fracture, but who have not yet sustained a fracture, will substantially reduce the long term burden of osteoporosis. Reducing the risk of first fracture from 8% to 2% can reduce the 5-year fracture incidence from approximately 34% to 10%. (Lindsay R, Pack S, Li Z (2005) Longitudinal progression of fracture prevalence through a population of postmenopausal women with osteoporosis. Osteoporos Int 16:306.)



inus|D

Smallest DXA Pencil-Beam System worldwide

Bone density measured over spine, femur and forearm • Space saving with folding down sides (ideal for smaller spaces) • FRAX®-function (fracture risk analysis for the next 10 years) • Extensive reporting with output of T- and Z-Score • Scan-time per scan area about 3 minutes • Measurement in accordance with the WHO-Goldstandard

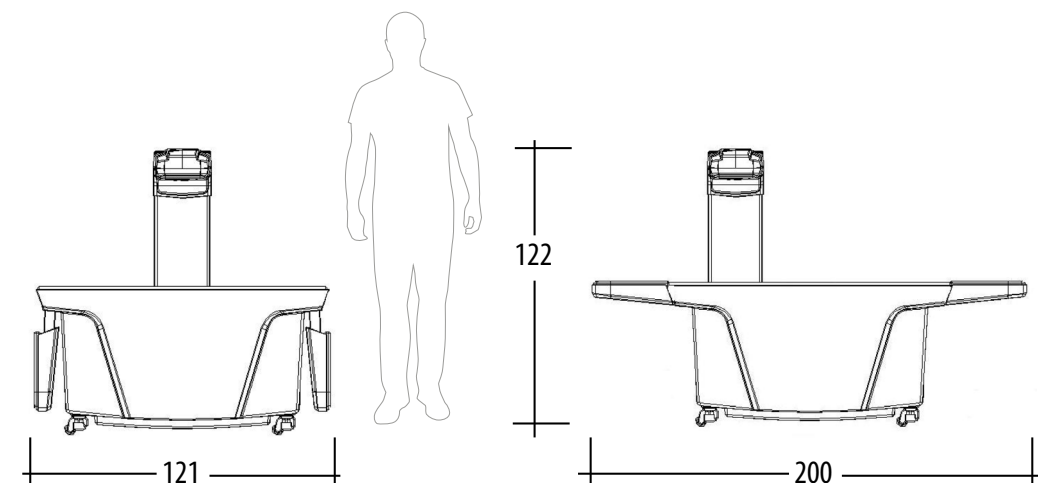
DXA-System in accordance with the WHO- Goldstandard

Incl. PC-workstation, printer, PC-desk.
Installation upon request.

Article-No. 41-3100



For further information please contact: info@medical-econet.com



More information visiting: medical-econet.com

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Distributor

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