



medical **ECONET**
GERMANY



M20 | ECG

Vital signs Monitor incl. ECG

- 3-lead ECG function
- 8" Touchscreen
- Spot check mode incl. MEWS (Modified Early Warning Scoring) & monitoring mode
- Measurement of oxygen saturation and pulse rate
- Blood pressure measurement for adults, children and newborns
- Built-in printer-module
- Barcode scanner, thermometer, CMS optional

Specifications

General	
Dimensions	165 x 250 x 165 mm
Weight	approx. 2,5 kg (without battery)
Working Temperature	0 - 40°C 15 - 36°C (IR thermometer)
Display	8" color TFT capacitive touch screen
Resolution	800 x 600
Display Trace	PLETH
Operation Environment	
Humidity	≤ 93%
Power Supply	100 - 240V, 50/60 Hz
Battery	
Battery Type	Rechargeable Lithium-ion battery
Battery Capacity	2200 mAh (working time: approx. 3 hours)
Recharging Time	approx. 5,5 hours
Battery backup	3 hours for continuous working
Indicator	
Parameter	2 alarm indicators Power indicator Battery indicator QRS beep and alarm sound Operating key sound
Interface	SpO2 NIBP TEMP
Data storage	
Alarm Event Review	200 groups
Wave Review	48 hours
NIBP Review	2000 groups
Trend data	160 hours
Power-off storage	Yes
Features	
Alarm	User-adjustable High and Low 3-level Limits; Prioritized audible and visual alarm
Network	Connected with CMS or HL7 by wired / wireless
WiFi	Yes (optional)
USB	Yes
Data	Data storage, review and transfer
Scoring System	MEWS & EWS
Protocol	HL7

NIBP	
Method	Automatic oscillometric
Work mode	Manual / Automatic / Continuous
Auto mode test interval	Adjustable (1-720 min)
Measurement Unit	mmHg / kPa selectable
Measurement types	Systolic, Diastolic, Mean
Range of systolic pressure	Adult Mode: 40-270 mmHg Pediatric Mode: 40-200 mmHg Neonate Mode: 40-135 mmHg
Range of diastolic pressure	Adult Mode: 10-215 mmHg Pediatric Mode: 10-150 mmHg Neonate Mode: 10-100 mmHg
Range of mean pressure	Adult Mode: 20-235 mmHg Pediatric Mode: 20-165 mmHg Neonate Mode: 20-110 mmHg
Over-pressure protection	Both Hardware and software over pressure protection
Resolution	±1 mmHg or ±0,1 kPa whichever is greater
Alarm	Systolic / Diastolic / Mean
PR from NIBP	40-240 bpm
Resolution	1 bpm
Accuracy	±3% or ±3 bpm, whichever is greater
SpO2	
Measurement range	0 - 100%
Resolution	1%
Accuracy	±2% (70~100%, Adu / Ped, non-motion) ±3% (70~100%, Neo, non motion) Unspecified (0~69%)
Alarm range	0-100%
PR Measurement	20-254 bpm
Resolution	1 bpm
Accuracy	±2 bpm
PR Alarm range	20-350 bpm
PI value	0,05% - 20%
Optional: Temperature (Ear Probe)	
Range	34°C - 42,2°C
TEMP sensor	IR Ear Temperature probe
Resolution	0,1 °C
Accuracy	±0,2°C (35°C - 42°C) ±0,3°C (other range)
ECG	
Lead	3-lead
Amplification	1,25 / 2,5 / 5 / 10 / 20 / 40 (all in mm) and auto