



Compact 9

Premium patient monitor for intensive care



medical **ECONET**
GERMANY

- 12.1" large color TFT screen with maximum 6 waveforms
- Touch screen operation display
- More powerful and enhanced functions
- 168 full hours of trend data stored
- 4-split large parameter display

Specifications

Monitor Performance Specification

Display, Resolution	12.1" color TFT, 800 x 600 pixels
Dimension, Weight	322 (W) x 250 (H) x 224.8 (D) mm, Approx. 4.5 kg
Parameter	ECG, Heart Rate, Respiration Rate, SpO2, Pulse Rate, Systolic BP, Diastolic BP, Mean BP, 2 x Temperature, 2 x IBP, EtCO2, FiCO2, Airway Respiration Rate
Trace	waveforms: 2*ECG, SpO2, RR or EtCO2, 2*IBP Sweep speed: 6.25, 12.5, 25, 50 mm/sec
Indicators	Categorized alarms (3 priority levels), Visual alarm lamp handle Heart beat tone, SpO2 pulse pitch tone Battery status, External power LED
Interfaces	DC input connector: 12 to 18VDC, 2.5A Defibrillator Sync. Output: - Signal Level: 0 to 5V pulse - Pulse width: 100 ± 10 ms LAN digital output for transferring data, Nurse call system connection DC output: 5VDC, 1A Max
Battery	Rechargeable Li-ion battery, 1hours for continuous working
Thermal Printer	Speed: 25, 50 mm/sec, Paper width: 58mm
Data Storage	168hours trends, 20cases of 10 sec alarm waveform
Language	English, French, Spanish, Italian, Germany, Chinese, Russian, Czech, Bulgarian, Portuguese, Romanian, Hungarian, Turkish, Polish

ECG Performance

Lead type	3-lead, 5-lead, 10-lead (option)
Lead Selection	3-lead: I, II, III 5-lead: I, II, III, aVR, aVL, aVF, V 10-lead: I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6
ECG waveforms	3-lead: 1 channel 5-lead: 3/7 channels 10-lead: 12 channels
Heart Rate Range	Adult : 30 – 300 bpm Neonate / Pediatric: 30 – 350 bpm
Heart Rate Accuracy	±1bpm or ±1 %, whichever is greater
Sweep speed	6.25, 12.5, 25, 50 mm/sec
Filter	Diagnostic mode : 0.05Hz - 150Hz Monitoring mode : 0.5 – 40 Hz Surgical mode : 0.5 – 25 Hz
S-T segment detection range	-2.0 to 2.0 mV
Arrhythmia analysis	ASYSTOLE,VTACH,VFIB,BIGEMINY,ACCVENT, COUPLET,IRREGULAR, PAUSE,PVC, RONT,TRIGEMINY, VBRADY, SHORTRUN
Pacemaker Detection Mode	Indicator on waveform display (user selectable)
Protection	Against electrosurgical interference and defibrillation

Respiration Performance

Method	Thoracic impedance
Channel selection	RA-LA or RA-LL
Measurement range	5 - 120 Breath per minute
Accuracy	±1 Breath per minute
Apnea alarm	Yes

SpO2 Performance

Saturation range	0 to 100 %
Saturation accuracy	70 to 100 % ±2 digits , 0 to 69% unspecified
Pulse rate range	0 to 254 bpm
Pulse rate accuracy	±2 bpm

NIBP Performance

Method	Oscillometry with linear deflation
Operation Mode	Manual / Automatic / Continuous
Measurement range	Adult Pressure : 20 to 260 mmHg Pediatric Pressure : 20 to 230 mmHg Neonate Pressure : 20 to 120 mmHg
Accuracy	mean error : less than ±5 mmHg standard deviation : less than 8 mmHg

Temperature Performance

Measurement range	0 to 50 °C (0 to 122 °F)
Accuracy	±1 °C
Compatibility	YSI Series 400 temperature probes

IBP Performance

Channels	2
Measurement range	-50 to 300 mmHg
Accuracy	<100 mmHg : ±1 mmHg, >=100 mmHg : ±1 % of reading
Pulse rate measurement range	0 to 300 bpm
Zero balancing	Range : ±200 mmHg, Accuracy : ±1 mmHg Drift : ±1 mmHg over 24 hours
Transducer sensitivity	5µV/mmHg
Pulse rate measurement range	0 to 300 bpm

Microstream CO2 (Option)

Measurement range	0 to 99 mmHg
Accuracy	0-40 mmHg ±2 mmHg 41-76 mmHg ±5 % of reading, 77-99 mmHg ±10 % of reading
Respiration rate	0 to 150 breath per minute
Respiration accuracy	±1breath per minute

Sidestream CO2 (Option)

Measurement range	0 to 150 mmHg, 0 to 19%
Accuracy	0-40mmHg ±2 mmHg, 41-70mmHg ±5% of reading 71-100mmHg ±8% of reading, 101-150mmHg ±10% of reading
Respiration rate	2 to 150 breath per minute
Respiration accuracy	±1breath per minute

Mainstream CO2 (Option)

Measurement range	0 to 150 mmHg, 0 to 19%
Accuracy	0-40mmHg ±2 mmHg, 41-70mmHg ±5 % of reading 71-100mmHg ±8 % of reading, 101-150mmHg ±10 % of reading
Respiration rate	0 to 150 breath per minute
Respiration accuracy	±1breath per minute

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Distributor

*All specifications are subject to change without notice