



Compact 7

Premium multi-parameter patient monitor

- 10.4" wide TFT color monitor (800×600 pixels)
- 7 ch. ECG(optional 12ch. ECG), SpO2, 2×IBP, NIBP, Respiration, 2×Temperature
- Various optional EtCO2 modules (Mainstream, Sidestream)
- 120 hours trend saving time
- Networkable with PC (LAN, RS-232, HL7 and optional WLAN)

Specifications - General

Monitor Performance Specification

Display	10,4" Colour TFT-Monitor (800 x 600)
Dimension	270 (W) x 250 (H) x 184.5 (D) mm, About 4.0 kg
Indicators	Up to 6 waves (2*ECG, SpO ₂ , RR or EtCO ₂ , 2*IBP), Categorized alarms (4 priority levels), Visual alarm handle lamp, Heart rate tone, Battery status, External power LED
Tabular Trends	Memory Storage: 120 hours
Interfaces	DC input connector: 12 to 18 VDC, 2.5 A, 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 (standard)	Internal battery: rechargeable Li-ion battery, Battery status indicator, Operating time: 2 hours typically
Thermal Printer	Speeds: 25, 50 mm/sec., Paper Width: 57 mm
EtCO₂	
EtCO ₂	Respironics*Mainstream / Sidestream
Measurement range	0~150 mmHg
Accuracy	0-40 mmHg ±2 mmHg, 41-70 mmHg ±5% of reading 71-100 mmHg ±8% of reading, 101-150 mmHg ±10% of reading
Respiration rate	2~150 breath per minute
Respiration accuracy	±1 breath per minute
Accessories Languages	
Standard Accessory	5-lead patient cable 1ea., NIBP extension tube 1ea., Adult NIBP reusable cuff 1ea., SpO ₂ sensor extension cable 1ea., Adult SpO ₂ reusable sensor 1ea., DC Adapter 18 VDC 2.5 A 1ea., Thermal paper 2rolls
Optional Accessory	Temperature probe (rectal / skin), IBP transducer Mainstream / Sidestream EtCO ₂ module, 3-lead patient cable
Language	German, English, French, Spanish, Italian, Russian, Czech, Polish, Turkish, Romanian, Portuguese, Bulgarian

Standard Accessories



Dimension



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Specifications - Performance

ECG

Lead type	3-lead, 5-lead
Lead Selection	3-lead : I, II, III, 5-lead : I, II, III, aVR, aVL, aVF, V
ECG waveforms	3-lead : 1 channel, 5-lead : 3 / 7 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 : 0.05 Hz-120 Hz, 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

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

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

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

Measurement range	15 to 45 °C (59 to 113 °F)
Accuracy	±1 °C
Compatibility	YSI Series 400 temperature probes

IBP

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

CE 0123

distributor

*All specifications are subject to change without notice.