CLEAR DISPLAY AND VERSATILE PATIENT MONITOR

SUPERIOR ADVANTAGES

- ECG, SpO₂, NIBP, Respiration, Temperature
- EtCO₂ ready (can add plug and play side or mainstream EtCO₂ at any time)
- 7" color TFT LCD for a clear view
- Individual sweep speed setting for each parameter
- 128 full hours of trend data stored
- SpO₂ measurement with very low perfusion detection and pulse beep
- 2 trace ECG
- Screen freeze on/off
- External VGA output for large screen
- Li-ion battery (1.5 hours of continuous operation)

- Enhanced & extendible multi-parameter
  - Sidestream/Mainstream EtCO₂
- High-performance ECG detection and analysis
  - Enhanced input impedance for dry skin or electrode patch
  - Pacemaker detection function
- Enhanced data management
  - Graphical and tabular trends
  - 20 cases - 10 sec. alarm waveform stored, reviewed and printed
SPECIFICATIONS

General

Display, Resolution: 7” Wide color TFT LCD, 800 x 480 pixels
Dimension, Weight: 238 (W) x 250 (H) x 163 (D) mm, approx. 3.1 kg
Trace: 4 waveforms; 2 ECG, SpO₂, respiration
Sweep speed: 6.25, 12.5, 25, 50 mm/sec.
Indicators: Categorized alarms (3 priority levels)
Visual alarm
QRS beep & SpO₂ pulse beep
Percent (%) SpO₂, pitch tone
Battery status, external power LED
Interfaces: Power supply: AC 100 - 240 V (50/60 Hz)
DC input connector: 18 VDC, 2.5 A
Defibrillator sync. output:
- Signal level: 0 to 5 V pulse
- Pulse width: 100 ± 10 ms
LAN digital output for transferring data
Nurse call system connection:
- 0.3 A at 125 VAC
- 1 A at 24 VDC
External VGA monitor connection
Rotary knob
DC output: 5 VDC, 1 A Max
Battery: Rechargeable Li-ion battery,
1.5 hours of continuous operation
Thermal Printer: Speed: 25, 50 mm/sec.
Paper width: 58 mm
Data Storage: 128 hours of trend data, 20 cases of 10 sec. alarm waveform
Language: English, French, Spanish, Italian, German, Chinese, Russian, Czech, Polish, Turkish, Romanian, Portuguese, Bulgarian, Hungarian, Korean

Accessories

Standard
3-lead ECG cable with extension 1 ea.
Electrodes 10 ea.
NIBP extension hose (3 m) 1 ea.
NIBP adult cuff (25-35 cm) 1 ea.
SpO₂, extension cable (2 m) 1 ea.
SpO₂ adult finger sensor 1 ea.
Power adapter 1 ea.
Thermal paper rolls 2 ea.

Optional
Temperature probe (skin/rectal) 5-lead ECG cable
NIBP cuffs (reusable/disposable) Mainstream ETCO₂ airway adaptor set
Sidestream ETCO₂ sampling line set

Optional Module
Mainstream ETCO₂ module (sensor)
Sidestream ETCO₂ module (sensor)

Performance

ECG

Lead Type: 3-lead, 5-lead (option)
Lead Selection: 3-lead: II, III, aVF
5-lead: II, III, aVF, AVR, AVL, V5, V6
ECG Waveforms: 3-lead: 1 channel
5-lead: 1 channel (option)
Heart Rate Range: Adult: 30 to 300 bpm, Neonate/Pediatric 30 to 350 bpm
Heart Rate Accuracy: ± 1 bpm or ± 1%, whichever is greater
Sweep Speed: 6.25, 12.5, 25, 50 mm/sec.
Filter:
- Diagnostic: 0.03 to 150 Hz - Monitoring: 0.5 to 40 Hz
- Moderate: 0.5 to 2.5 Hz
- Maximum: 0.5 to 2.5 Hz
Pacemaker Detection Mode: Indicator on waveform display (user selectable)
Protection: Against electrocutaneous interference and defibrillation

Respiration

Method: Thoracic impedance
Channel Selection: RA-L or RA-L-L
Measurement Range: 5 to 120 breaths per minute
Accuracy: ± 1 breath per minute
SpO₂
Saturation Range: 0 to 100%
Saturation Accuracy: 70 to 100% ± 2 digits, 0 to 69% unspecified
Pulse Rate Range: 30 to 254 bpm
Pulse Rate Accuracy ± 2 bpm

NIBP

Method: Oscillometry
Operation Mode: Manual/Automatic/Continuous
Pressure Range: 0 to 300 mmHg (accuracy ± 3 mmHg)
Safety Pressure: Adult: 300 mmHg
Neonate: 150 mmHg
Measurement Range: Adult pressure: 20 to 260 mmHg
Pulse rate: 30 to 220 BPM
Pediatric pressure: 20 to 160 mmHg
Pulse rate: 30 to 220 BPM
Neonate pressure: 20 to 130 mmHg
Pulse rate: 30 to 220 BPM

Temperature

Measurement Range: 0 to 50°C (32 to 122°F)
Accuracy: 25°C to 50°C: ± 0.1°C
0°C to 24°C: ± 0.2°C

Compatibility: YSI Series 400 temperature probes

Sidestream ETCO₂ - Respiration

Measurement Range: 0 to 150 mmHg, 0 to 19%
Accuracy:
0 to 40 mmHg: ± 2 mmHg, 41 to 70 mmHg: ± 5% of reading, 71 to 100 mmHg: ± 8% of reading, 101 to 150 mmHg: ± 10% of reading
Respiration Rate: 2 to 150 breaths per minute
Respiration Accuracy: ± 1 breath per minute

Mainstream ETCO₂ - Respiration

Measurement Range: 0 to 150 mmHg, 0 to 19%
Accuracy:
0 to 40 mmHg: ± 2 mmHg, 41 to 70 mmHg: ± 5% of reading, 71 to 100 mmHg: ± 8% of reading, 101 to 150 mmHg: ± 10% of reading
Respiration Rate: 0 to 150 breaths per minute
Respiration Accuracy: ± 1 breath per minute

Specifications can be changed without prior notification. You may have distortion or signal noise when you use nonstandard or other brand’s accessories. We strongly recommend you use only the authorized accessories which we supply.