

BM3 PRO



- Compact, Versatile, Reliable
- 8" High Resolution LCD touch screen
- Comprehensive Capnography
- Complete 3 Year Warranty



SUPERIOR ADVANTAGES

- ▶ ECG, SpO₂, NIBP, Respiration, Temperature
- ▶ EtCO₂ ready (can add plug and play side or mainstream EtCO₂ at any time)
- ▶ 8" Touch screen color TFT LCD for a clear parameter
- ▶ Individual sweep speed setting for each parameter
- ▶ 168 full hours trend data are stored
- ▶ SpO₂ measurement with every low perfusion detection and plus beep
- ▶ 2 traces ECG
- ▶ Screen freeze ON/OFF
- ▶ External HDMI output for large screen
- ▶ Li-ion battery with longer time life (2 hours for continuous operation)
- ▶ Extendible multi-parameters
 - 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
 - 20cases * 10 sec alarm waveform are stored, reviewed and printed
 - USB memory storage

SPECIFICATIONS

General

Display, Resolution	8" wide color touch TFT LCD, 800 x 600 pixels
Dimension, Weight	238 (W) x 250 (H) x 163 (D) mm, approx. 3.1 kg
Trace	4 waveforms: 2*ECG, SpO ₂ , respiration Sweep speed: 6.25, 12.5, 25, 50 mm/sec.
Indicators	Categorized alarms (3 priority levels) Visual alarm QRS beep & SpO ₂ pulse beep Percent (%) SpO ₂ pitch tone Battery status, external power LED Rotary knob
Interfaces	Power supply: AC 100 - 240 V (50/60 Hz) DC input connector: 18 VDC, 2.8 A LAN digital output for transferring data Nurse call system connection: - 0.3 A at 125 VAC - 1 A at 24 VDC External HDMI output for large screen USB barcode reader USB memory data storage/Software upgrade
Battery	Rechargeable Li-ion battery Approx 2 hours of continuous operation
Thermal Printer (Option)	Speed: 25, 50 mm/sec. Paper Width: 58 mm
Data Storage	168 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, Japanese, Greek

Accessory

Standard Accessories	3-lead ECG cable with extension	1 ea
	Electrodes	10 ea
	NIBP extension hose (3 m)	1 ea
	NIBP adult cuff (23-33/27.5-36.5 cm)	1 ea
	SpO ₂ extension cable (2 m)	1 ea
	Reusable adult SpO ₂ probe	1 ea
	DC adapter(18VDC, 2.8A) with power code	1 ea
Optional Accessories	Paper roll	2 ea
	5-lead ECG cable	
	Temperature probes (Skin) NIBP cuff (reusable / disposable)	

Optional Module

Mainstream EtCO ₂ airway adapter kit (sensor)
Sidestream EtCO ₂ airway adapter kit (sensor)

Performance

ECG	
Lead Type	3-lead, 5-lead (Option)
Lead Selection	3-lead: I, II, III 5-lead(Option) : I, II, III, aVR, aVL, aVF, V
ECG Waveforms	3-lead: 1 channel 5-lead(Option) : 1 channel
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	- Diagnosis: 0.05 to 150 Hz - Monitoring: 0.5 to 40 Hz - Moderate: 0.5 to 25 Hz - Maximum: 5 to 25 Hz
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 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(Suntech)

Method	Oscillometry
Operation Mode	Manual/ Automatic/ Continuous
Pressure Range	0 to 300 mmHg (accuracy ± 3 mmHg)
Safety Pressure	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
Accuracy	Meets accuracy requirements of ANSI/ AAMI SP10: 1992 AND 2002

Temperature (only probe option)

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 - Respironics(option)

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 - Respironics(option)

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.



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