

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 |
| | Paper roll | 2 ea |
| Optional Accessories | 5-lead ECG cable | |
| | Temperature probes (Skin) | |
| | NIBP cuff (reusable / disposable) | |

Optional Module

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| 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.



Bionet America, Inc.

Tel : +1-714-734-1760

E-mail: sales@BionetUS.com

Address: 2691 Dow Ave., Suite B, Tustin, CA 92780

www.BionetUS.com