Patient Monitor

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, SpO₂, respiration
  - Sweep speed: 6.25, 1.25, 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
  - Rotary knob
- **Interfaces**: Power supply: AC 100 - 240V (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
  - SpO₂ extension cable (2 m) 1 ea
  - Reusable adult SpO₂ probe 1 ea
  - DC adapter (18 VDC, 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**

- Mainstream EtCO₂ airway adapter kit (sensor)
- Sidestream EtCO₂ 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**: ±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% of reading, 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% of reading, 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

Rev: 05-31-2020