BM1
Slim & light vital sign monitor with strong mobility

**SUPERIOR ADVANTAGES**

- SpO₂, NIBP, Temperature, EtCO₂
- 4.3” color TFT LCD for a clear view
- 128 full hours trend data are stored
- SpO₂ measurement with very low perfusion detection and pulse beep
- USB memory storage (2G/4G/8G)
- Non-contact infrared thermometer (Option)
- High-performance Suntech NIBP (BM1 XP)
- Easy operation with touch wheel
- External VGA output for large screen (Option)
- Connected to BM Central monitoring system using LAN or W-LAN
- Li-ion Battery with longer time life (4 hours for continuous operation)

- Spot check mode - 400 cases data list table
- Monitoring mode - Graphic & Tabular trend (128 hours data)
- USB interface for barcode scanner (Option)
- Easy mounting to an IV pole & shoulder strap for easy movement

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### SPECIFICATIONS

#### General

<table>
<thead>
<tr>
<th>Display, Resolution</th>
<th>4.3&quot; color TFT, LCD 480 x 272 pixels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension, Weight</td>
<td>190(W) x 125(H) x 60(D) mm, Approx. 1.0kg</td>
</tr>
<tr>
<td>Trace</td>
<td>2 waveforms: SpO₂, EtCO₂. Sweep speed: 6.25, 12.5, 25, 50 mm/sec</td>
</tr>
<tr>
<td>Indicators</td>
<td>Categorized alarms (3 priority levels). Visual alarm. SpO₂, pulse beep. Percent (%) SpO₂, pitch tone. Battery status, External Power LED</td>
</tr>
<tr>
<td>Interfaces</td>
<td>Power supply: AC 100-240V(50/60Hz). DC input connector: 15VDC, 2.0A. LAN digital output for transferring data. Nurse Call System connection: - 0.3A at 125 VAC. - 1A at 24 VDC. External VGA monitor connection. DC output: 5VDC, 1A Max. USB Barcode Scanner. USB Memory stick (Save spot data) [2G/4G/8G].</td>
</tr>
<tr>
<td>Battery</td>
<td>Rechargeable Li-ion battery. 4 hours for continuous operation</td>
</tr>
<tr>
<td>Data Storage</td>
<td>Monitoring mode. - 128 hours trends. - 20 cases of 10sec alarm waveform. Spot check mode - 400 cases.</td>
</tr>
<tr>
<td>Language</td>
<td>English, French, Spanish, Italian, German, Chinese, Russian, Polish, Turkish, Romanian, Portuguese, Bulgarian, Hungarian, Korean</td>
</tr>
</tbody>
</table>

#### Accessories

<table>
<thead>
<tr>
<th>Standard</th>
<th>NIBP extension hose(3m) 1ea</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Reusable adult cuff(25-35cm) 1ea</td>
</tr>
<tr>
<td></td>
<td>SpO₂ extension cable(2m) 1ea</td>
</tr>
<tr>
<td></td>
<td>Reusable adult SpO₂ probe 1ea</td>
</tr>
<tr>
<td></td>
<td>DC adapter(15VDC, 2.0A) with power cord 1ea</td>
</tr>
<tr>
<td></td>
<td>Pole mount bracket 1set</td>
</tr>
<tr>
<td></td>
<td>Shoulder strap 1ea</td>
</tr>
<tr>
<td>Optional</td>
<td>Reusable temperature probe (Surface/Rectal) Sidestream EtCO₂ module (Respirisons) Mainstream EtCO₂ module (Respirisons) Sidestream EtCO₂, airway adapter kit Mainstream EtCO₂, airway adapter kit NIBP cuff (Reusable/Disposable) Barcode scanner (USB type) Thermometer IR probe</td>
</tr>
</tbody>
</table>

#### Performance

### 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

### Bionet NIBP

- **Method**: Oscillometry
- **Operation Mode**: Manual/Automatic/Continuous
- **Pressure range**: 0-300mmHg (Accuracy ±3mmHg)
- **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

### Suntech NIBP (Option)

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

#### Temperature

- **Measurement range**: 0 to 50°C; (32 to 122°F)
- **Accuracy**: ±0.1°C (0°C to 24°C), ±0.2°C (25°C to 100°C)
- **Compatibility**: YSI Series 400 temperature probes

#### Sidestream EtCO₂ - Respironics (Option)

- **Measurement range**: 0 to 150 mmHg, 0 to 19%
- **Accuracy**: ±0.4mmHg ±2% of reading, 41 to 700mmHg ±5% of reading, 71 to 100mmHg ±8% of reading, 101 to 150mmHg ±10% of reading
- **Respiration rate**: 2 to 150 breath per minute
- **Respiration accuracy**: ±1 breath per minute

#### Mainstream EtCO₂ - Respironics (Option)

- **Measurement range**: 0 to 150 mmHg, 0 to 19%
- **Accuracy**: ±0.4mmHg ±2% of reading, 41 to 700mmHg ±5% of reading, 71 to 100mmHg ±8% of reading, 101 to 150mmHg ±10% of reading
- **Respiration rate**: 0 to 150 breath per minute
- **Respiration accuracy**: ±1 breath per minute

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* 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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### Order Specification

<table>
<thead>
<tr>
<th>Ordering Name</th>
<th>Function description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM1</td>
<td>SpO₂, Bionet NIBP, Temperature, EtCO₂</td>
</tr>
<tr>
<td>BM1 XP</td>
<td>SpO₂, Suntech NIBP, Temperature, EtCO₂</td>
</tr>
</tbody>
</table>

#### Optional Module

- **Mainstream EtCO₂ module (Respironics)**
- **Sidestream EtCO₂ module (Respironics)**