

Multi-parameter vital signs PM  
with excellent wide monitor

## BM3 wide

Specially designed to accommodate a highly diverse patient population, BM3wide represents a unique answer to the constantly changing demands of today's hospital environment. Its 10.4" color TFT screen offers a remarkably brilliant viewing platform that is suitable for your monitoring needs. Its efficient design and VGA output display make it ideal for use in any department\_ from traditional bedside monitoring to intra hospital transport.

### Features

#### Superior advantages

- 10.4" color TFT screen (800X600)
- VGA output connecting to an external monitor directly
- Visible alarm lamp handle

#### Smart vital technology

- Arrhythmia analysis: VTAC, VFIB, ASYSTOLIC
- Pacemaker detection indicated on the ECG waveform display
- Usable from adult to neonatal patient

#### Easy-to-use

- Trim knob for easy setup and prompt selection
- Direct keys for frequently used functions
- Internet upgrade for the latest software installation

#### Flexible to transport

- Battery operation makes the device wireless for 2 hours.
- Direct DC(18VDC) input during vehicle transport
- Easy mounting with hook-up on hand grip

#### Lightweight, Compact, Durable

- Less than 4Kgs including battery
- Easily fits on a standard hospital bed-rail.
- Withstands the rigors of hospital use and patient transports



# TECHNICAL SPECIFICATION

## General >>>

### Monitor Performance Specifications

<b>Display</b>	10.4" color TFT (800×600)
<b>Dimension</b>	238(W) × 250(H) × 163(D)mm, Approx. 3.5kg
<b>Indicators</b>	Up to 3 waves(ECG, SpO <sub>2</sub> , Respiration) Categorized alarms(3 priority levels) Visual alarm lamp handle Heart rate tone Battery status External power LED
<b>Interfaces</b>	DC input connector: 11 to 16 VDC, 3A max., Defib Sync Output Signal Level : 0 to 5 V pulse Pulse Width : 100±10 ms LAN digital output for transferring data VGA output
<b>Battery (standard)</b>	Internal battery : sealed lead-acid Battery status indicator Operating Time : 2.5 hours typically (fully charged battery)
<b>Thermal Printer (Optional)</b>	Speeds: 25, 50mm/sec Paper Width: 58mm
<b>Graphical and Tabular Trends</b>	
<b>Tabular Trends</b>	Memory Storage : 24 hours Data Interval : 1, 5, 15, 30 min., and 1hour Tabular Format : One table for all variables
<b>Graphical Trends</b>	Display Duration : 30, 60, 90 min., 3, 6, 12 hours
<b>accessory</b>	
<b>Standard accessory</b>	3-lead patient cable 1ea electrodes 10ea NIBP tubing, 3 m long 1ea Adult cuff, 25-35 cm, reusable 1ea SpO <sub>2</sub> sensor extension cable(2 m) 1ea SpO <sub>2</sub> sensor, reusable 1ea DC adapter, 18VDC, 2.5A 1ea
<b>Optional accessory</b>	Temperature probe Surface/Skin, reusable(Option) Thermal paper(Option) 5-lead patient cable(Option)

## Performance >>>

### ECG

<b>Leads</b>	3 leads
<b>Heart Rate Range</b>	30 to 300 bpm
<b>Heart Rate Accuracy</b>	± 3 bpm
<b>Bandwidth</b>	0.5 Hz to 40 Hz
<b>Display Sweep Speeds</b>	25mm/sec
<b>ECG Size (Sensitivity)</b>	0.5, 1, 2, 4 mV/cm
<b>Pacemaker Detection Mode</b>	Indicator on waveform display, user selectable
<b>Differential Input Impedance</b>	>5 M $\Omega$
<b>CMRR</b>	>90dB at 50 or 60Hz
<b>Input Dynamic Range</b>	± 5 mVAC, ± 300 mVDC
<b>Defibrillator Discharge</b>	<5 s
<b>Defib. artifact recovery time</b>	<8 s
<b>Arrhythmia analysis</b>	VTAC/FIB VTAC ASYSTOLIC
<b>Lead-Off Detection with display indicator</b>	
<b>SpO<sub>2</sub></b>	
<b>% Saturation Range</b>	0% to 100%
<b>Pulse Rate Range</b>	30 to 300 bpm
<b>SpO<sub>2</sub> Accuracy</b>	70% to 100% ± 2 digits 0% to 69% unspecified
<b>Pulse Rate Accuracy</b>	± 3 bpm
<b>NIBP</b>	
<b>Technique</b>	Oscillometric
<b>Measurement Modes</b>	Manual : Single measurement Auto: Automatic intervals of 1,2,3,4,5, 10,15,20,30 min. and 1,2,4,8 hr.
<b>Cuff Pressure Display</b>	30 to 300 mmHg
<b>B.P. measurement range</b>	Systolic : 60 to 250 mmHg Mean Arterial Pressure: 45 to 235 mmHg Diastolic : 40 to 220 mmHg
<b>Adjustable Cuff Inflation Pressure</b>	
<b>Respirations</b>	
<b>Range</b>	5 to 120 breaths/min
<b>Accuracy</b>	± 3 breaths/min
<b>Display Sweep Speeds</b>	25mm/sec
<b>Temperature Unit</b>	
<b>Range</b>	15°C to 45°C (59°F to 113°F)
<b>Accuracy</b>	25°C to 45°C ±0.1°C 15°C to 24°C ±0.2°C
<b>Compatible with</b>	YSI Series 400 Temperature Probes



11F, E&C Venture Dream Tower 3, 197-33  
Guro-dong, Guro-gu, Seoul, South Korea  
Tel : +82 2 6300 6416 (Int'l) +82 2 6300 6477 (Domestic)  
Fax : +82 2 6300 6454  
E-mail : sales@bio2net.com  
yunms@bio2net.com  
Home page : www.bio2net.com

