

BM1

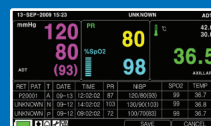
Slim & light vital sign monitor
with strong mobility



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



SPECIFICATIONS

General

Display, Resolution	4.3" color TFT,LCD 480 x 272 pixels
Dimension, Weight	190(W) x 125(H) x 60(D) mm, Approx. 1.0kg
Trace	2 waveforms : SpO ₂ , EtCO ₂ Sweep speed : 6.25, 12.5, 25, 50 mm/sec
Indicators	Categorized alarms (3 priority levels) Visual alarm SpO ₂ pulse beep Percent(%) SpO ₂ pitch tone Battery status, External Power LED
Interfaces	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]
Battery	Rechargeable Li-ion battery 4hours for continuous operation
Data Storage	Monitoring mode - 128 hours trends - 20 cases of 10sec alarm waveform Spot check mode - 400 cases
Language	English, French, Spanish, Italian, German, Chinese, Russian, Czech, Polish, Turkish, Romanian, Portuguese Bulgarian, Hungarian, Korean

Accessories

Standard	NIBP extension hose(3m)	1ea
	Reusable adult cuff(25-35cm)	1ea
	SpO ₂ extension cable(2m)	1ea
	Reusable adult SpO ₂ probe	1ea
	DC adapter(15VDC, 2.0A) with power cord	1ea
	Pole mount bracket	1set
	Shoulder strap	1ea
Optional	Reusable temperature probe (Surface/Rectal)	
	Sidestream EtCO ₂ module (Respironics)	
	Mainstream EtCO ₂ module (Respironics)	
	Sidestream EtCO ₂ airway adapter kit	
	Mainstream EtCO ₂ airway adapter kit	
	NIBP cuff(Reusable/Disposable)	
	Barcode scanner (USB type)	
	Thermometer IR probe	



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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 8mmHg

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	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 40mmHg ±2 mmHg, 41 to 70mmHg ±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 to 40mmHg ±2 mmHg, 41 to 70mmHg ±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

* 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.

Order Specification

Ordering Name	Function description
BM1	SpO ₂ , Bionet NIBP, Temperature, EtCO ₂
BM1 XP	SpO ₂ , Suntech NIBP, Temperature, EtCO ₂

Optional Module

Mainstream EtCO ₂ module(Respironics)
Sidestream EtCO ₂ module(Respironics)