BM5
Enhanced & expendable multi-parameter patient monitor

**SUPERIOR ADVANTAGES**

- ECG, SpO₂, NIBP, Respiration, 2IBP, 2Temperature, EtCO₂
- 10.4" color TFT LCD with 6 waveforms
- Individual sweep speed setting for each parameter
- 128 full hours trend data are stored
- SpO₂ measurement with very low perfusion detection and pulse beep
- Screen freeze ON/OFF
- External VGA output for large screen (Option)
- Connected to BM Central monitoring system using LAN or W-LAN
- Li-ion Battery with longer life time (1 hour for continuous operation)

- Enhanced & extendable multi-parameter
  - Mainstream/Sidestream EtCO₂ (Option)
  - 12Ch ECG Measurement Module (BM5 CS, BM5 CX)
  - High-performance Suntech NIBP (BM5 XP, BM5 CX)

- High-performance ECG detection and analysis
  - Enhanced Input impedance for dry skin or electrode patch
  - ST level, PVC count real-time display
  - 13 kinds of Arrhythmia analysis
  - Pacemaker detection function
  - 120 kinds of resting ECG analysis (BM5 CS, BM5 CX)

- Enhanced data management
  - Graphical and Tabular trends
  - 20 cases * 10 sec alarm waveform are stored, reviewed and printed
SPECIFICATIONS

General

Display, Resolution 10.4" color TFT LCD, 800 x 600 pixels
Dimension, Weight 270(W)x 250(H) x 184.5(D) mm, Approx. 4.0kg
Trace 6 waveforms : 2*ECG, SpO2, RR or ETCO2, 2*IBP
Sweep speed : 6.25, 12.5, 25, 50 mm/sec
Indicators Categorized alarms (3 priority levels)
Visual alarm lamp handle
QRS beep & SpO2, Pulse beep
Percent(%), SpO2, pitch tone
Battery status, External Power LED
Rotary knob

Interfaces Power supply : AC 100-240V(50/60Hz)
DC input connector : 18VDC, 2.5A
Defibrillator Sync. Output : Signal Level : 0 to 5V pulse
- Pulse width : 100 ± 10ms
LAN digital output for transferring data
Nurse Call System connection :
- External VGA monitor connection
- DC output connector : 18VDC, 2.5A
Defibrillator Sync. Output :

Battery Rechargeable Li-ion battery.
1hour for continuous operation

Thermal Printer(Optional) Speed : 25,50 mm/sec, Paper width : 58mm
Data Storage 12hours trends
20cases of 10sec alarm waveform

Language English, French, Spanish, Italian, German, Chinese, Russian, Czech, Polish, Turkish, Romanian, Portuguese, Bulgarian, Hungarian, Korean

Accessories

Standard 5-lead patient cable 1ea
Electrodes 10ea
NIBP extension hose(3m) 1ea
Reusable adult cuff(25-35cm) 1ea
SpO2 extension cable(2m) 1ea
Reusable adult SpO2 probe 1ea
DC adapter(18VDC, 2.5A) with power cord 1ea

Ordering Name Function description
BMS 7CH, ECG, SpO2, Bionet NIBP, 2TEMP, 2IBP, ETCO2
BMS XP 7CH, ECG, SpO2, Suntech NIBP, 2TEMP, 2IBP, ETCO2
BMS CS 12CH ECG, SpO2, Bionet NIBP, 2TEMP, 2IBP, ETCO2
BMS CX 12CH ECG, SpO2, Suntech NIBP, 2TEMP, 2IBP, ETCO2

Order Specification

Optional Module

Mainstream ETCO2 module(Respiracions)
Sidestream ETCO2 module(Respiracions)

Bionet North America (U.S.A) : Bionet America, Inc.
Tel: +1-714-734-1760
E-mail : sales@bionetUS.com
www.BionetUS.com

Bionet Korea: Bionet Co. Ltd.
E-mail : sales@bionet.com Int'l
+82-70-7585-6418(Int'l)
+82-32030-6483(Domestic)

Bionet Latin America: Bionet Latin America, Inc.
Tel: +1-949-800-9585
E-mail : jayshim@bionet.com
www.bionet.com

Bionet Europe: MGB Endoskopische Geräte GmbH Berlin (Germany)
Tel: +49-30-6392-7000
E-mail : sales@mgb-berlin.de
www.mgb-berlin.de

Performance

ECG

Leads Type 3-lead, 5-lead, 10-lead
Lead selection 3-lead : I, II, III
5-lead : I, II, III, aVR, aVL, aVF
10-lead : I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6
ECG waveforms 3-lead : 1 channel
5-lead : 2/7 channels
Heart Rate Range 10sec : 30 to 254 BPM
RR interval : 200 to 1000ms
Mean error : ± 0.5 BPM
5-lead : 30 to 254 BPM
RR interval : 200 to 1000ms
Mean error : ± 2 bpm

Respirations

Method Thoric impedance
Channel Selection WA-IA or WA-IL
Measurement range 5 to 120 breath per minute
Accuracy ± 1 breath per minute

Suntech NIBP (Option)

Method Oscilometry
Operation mode Manual/Automatic/Continuous
Pressure range 0 to 300mmHg (Accuracy ±3mmHg)
Measurement range Adult Pressure : 20 to 260 mmHg
Pediatric Pressure : 20 to 130 mmHg
Neonate Pressure : 20 to 100 mmHg
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
Neonate Pressure : 20 to 130 mmHg
Pulse Rate : 30 to 220 BPM
Accuracy Mean error : less than ±5 mmHg
Standard deviation : less than 8mmHg

Temperature

Channels 2
Measurement range 0 to 50℃, 32 to 122 ℉
Accuracy ±0.5℃, ±0.1 ℉
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
Neonate Pressure : 20 to 130 mmHg
Pulse Rate : 30 to 220 BPM
Accuracy Mean error : less than ±5 mmHg
Standard deviation : less than 8mmHg

IBP(Option)

Channels 2
Measurement range 0 to 400mmHg
Accuracy <10mmHg, ±1mmHg
≥10mmHg, ±1% of reading
Pulse rate range 50 to 300mmHg
Zero balancing Range : ±200mmHg
Accuracy : ±1mmHg
Drift : ±1mmHg over 24hours
Transducer sensitivity 50mmHg

Suntech NIBP - Respiracions (Option)

Measurement range 0 to 150 mmHg, ±3% of reading
Accuracy 0 to 10mmHg ±1% of reading
70 to 100mmHg ±5% of reading
101 to 150mmHg ±10% or reading
Respiration rate ± 0.5 breath per minute
Respiration accuracy ± 0.5 breath per minute
Mainstream ETCO2 - Respiracions (Option)

Measurement range 0 to 400mmHg
Accuracy 0 to 10mmHg ±1% of reading
70 to 100mmHg ±5% of reading
101 to 150mmHg ±10% or reading
Respiration rate ± 0.5 breath per minute
Respiration accuracy ± 0.5 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.

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