



**Multi-Parameter vital signs PM
with extendible parameters**

BM5

- * ECG, SpO₂, NIBP, Respiration, 2 Temp and 2 IBP
- * Provide EtCO₂ optionally
- * Arrhythmia analysis : VTAC, VFIB, ASYSTOLIC
- * Pacemaker detection indicated on the ECG waveform display

- * 58mm built-in chart recorder
- * Graphical and Tabular Trends of printing

- * Visible alarm lamp handle

- * 10.4" color TFT screen with high resolution

- * Battery operation makes the device wireless
- * Li-ion battery lasts more than 3hours(option)

- * Microstream EtCO₂ is available under all hospital circumstance.

- VGA output connecting to an external monitor directly
- 24 full hours trend and alarm information are stored
- Usable for adult to neonatal patient
- Direct DC input during vehicle transport
- Less than 4kg including battery
- Wireless LAN affordable
- Optional Viewing Mode
- Internet upgrade for the latest software installation



SPECIFICATIONS

General >>>

■ Monitor Performance Specifications

Display	10.4" color TFT (800 × 600)
Dimension	270(W) × 250(H) × 184.5 (D) mm, Approx. 4.0kg including capnography station
Indicators	Up to 5 waves(ECG, SpO ₂ , RR or EtCO ₂ , IBP x 2) Categorized alarms(3 priority levels) Visual alarm lamp handle Heart rate, SpO ₂ tone Battery status External power LED
Sweep Speeds	6.25, 12.5, 25, 50 mm/sec
Interfaces	DC input connector : 18VDC, 2.5A Defib. Sync. Output - Signal Level : 0 to 5 V pulse - Pulse Width : 100 ± 10 ms LAN digital output for transferring data VGA output Nurse call system support DC Output : 3.3VDC, 1A Max
Battery	Battery type : Li-ion Battery status indicator Operating Time : 2 hours(standard) 3 hours(capnography station)
Thermal Printer (Option)	Speeds : 25, 50mm/sec Paper Width: 58mm

■ Capnography Station (Option)

Dimension	270(W) × 60(H) × 172(D)mm
Function	EtCO ₂ measurement(Microstream)
Interfaces	AC Input : 100 ~ 240VAC, 50/60Hz, 1.2A

■ Graphical and Tabular Trends

Tabular Trends	Memory Storage : 24 hours Data Interval : 1, 5, 15, 30 min., and 1hour Tabular Format : One table for all variables
Graphical Trends	Display Duration : 30, 60, 90 min., 3, 6, 12 hours

■ Accessory

Standard Accessory	3-lead patient cable	1ea
	electrodes	10ea
	NIBP Extension tube(3m)	1ea
	Adult cuff, 25-35 cm, reusable	1ea
	SpO ₂ sensor extension cable(2 m)	1ea
	SpO ₂ sensor, reusable	1ea
Optional Accessory	DC adapter, 18VDC, 2.5A	1ea(Main Unit Only)
	Temperature probe, surface / skin, reusable	
	5-lead patient cable	
	EtCO ₂ FilterLine set	
	IBP disposable pressure transducer kit	
	IBP reusable pressure transducer kit	

■ Language Version

English, French, Spanish, Italian, Germany, Chinese

Performance >>>

■ ECG

Leads	3 leads / 5 leads(option)
Heart Rate Range	30 to 300 bpm
Heart Rate Accuracy	± 3 bpm
Bandwidth	0.5Hz to 40Hz
ECG Size (Sensitivity)	0.5, 1, 2, 4 mV/cm
Pacemaker Detection Mode	Indicator on waveform display, user selectable
Differential Input Impedance	>5 M Ω
CMRR	>90dB at 50 or 60Hz
Input Dynamic Range	± 5 mVAC, ± 300 mVDC
Defibrillator Discharge	<4 s
Arrhythmia analysis	VTAC / VFIB / ASYSTOLIC
Lead-Off Detection	YES

■ SpO₂

% Saturation Range	0% to 100%
Pulse Rate Range	0 ~ 254bpm
SpO ₂ Accuracy	70% to 100% ± 2 digits 0% to 69% unspecified
Pulse Rate Accuracy	± 2 bpm

■ NIBP

Technique	Oscillometric
Measurement Modes	Manual : Single measurement Auto : Automatic intervals of 1,2,3,4,5 10,15,20,30 min. and 1,2,4,8 hr.
Cuff Pressure Display	0 to 300 mmHg
B.P. measurement range	Systolic : 40 to 270 mmHg Mean : 20 to 230 mmHg Diastolic : 10 to 210 mmHg
Cuff Inflation Pressure	Adjustable

■ Respirations

Range	5 to 120 breaths/min
Accuracy	± 3 breaths/min

■ Temperature Unit

Range	15°C to 45°C (59°F to 113°F)
Accuracy	± 0.1°C
Compatible with	YSI Series 400 Temperature Probes

■ IBP

Channels	2
Measuring range	-50 to 300mmHg
Measuring accuracy	± 1mmHg ± 1 digit (<100mmHg) ± 1% ± 1 digit (>100mmHg)
Pulse rate counting range	0 to 300 beats/min
Zero balancing	YES
Range	± 200 mmHg
Accuracy	± 1 mmHg
Drift	± 1 mmHg over 24 hours
Transducer sensitivity	5 μ V / V / mmHg

■ EtCO₂(Option)

Method	Side Stream
Measurement range	0~99mmHg
Respiration range	0~150 bpm
Accuracy	± 2mmHg, 0 ~ 40mmHg ± 5%, 41 ~ 76mmHg ± 10%, 77 ~ 99mmHg
Resolution	1mmHg
Apnea alarm	YES

* Specifications can be changed without prior notification.



Main office : Bionet Co., Ltd.

Tel : +82-2-6300-6418 / +82-2-6300-6477(Domestic)
e-mail : sales@ebionet.com / yunms@ebionet.com(Domestic)
http://www.ebionet.com

North America : Bionet America, Inc.

Tel : +1-714-734-1760 / e-mail : sales@bionetus.com
http://www.bionetus.com

Europe : MGB Endoskopische Ger-te GmbH Berlin

Tel : +49-30-6392-7010 / e-mail : info@mgb-berlin.de
http://www.mgb-berlin.de

China : Bionet China

Tel : +86-10-58220564 / e-mail : sales-china@ebionet.com