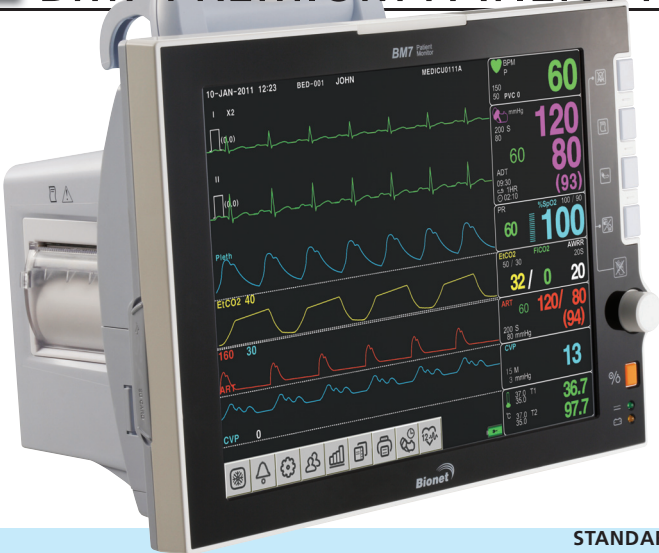


BM7 PREMIUM PATIENT MONITOR FOR INTENSIVE CARE



• **33774 BM7 MONITOR 12.1"** touch screen LCD display - 7 channels Premium patient monitor for intensive care.

Superior features:

- touch screen operation display
- individual sweep speed setting for each parameter
- 168 full hours of trend data storage
- 4-split large multiple display modes
- oxy/CRG
- drug calculation
- screen freeze ON-OFF
- ST level analysis histogram

High performances:

- ECG, SpO₂, NIBP, Respiration, 2 Temp, 2 IBP
- Sidestream EtCO₂ - optional
- 13 Arrhythmia analysis modes
- high performance **Suntech NIBP**
- Li-ion battery with longer life time (1.5 hrs continuous operation)
- possibility to connect to BM central monitoring system see page 291

• **33725 CART** - adjustable height, basket included

• **33709 Li-ion BATTERY 11.1 V** - spare

Same accessories and probes as BM5 monitors, see page 292, 293.

STANDARD ACCESSORIES

5-lead patient Cable (MECA5 (AHA), MACE5 (IEC))
Electrodes - box of 10
NIBP extension tube (3m)
Reusable Adult Cuff (25-35 cm)

Reusable Pediatric Cuff
SpO₂ extension cable (2m)
Reusable Adult SpO₂ probe
DC adapter (18 VDC, 2.5A)

Li-ion 11.1 V battery
Thermal printer
2 paper roll
User manual: GB, IT

TECHNICAL SPECIFICATIONS

MONITOR
Display, Resolution 12.1" color TFT. 800x600 pixels
Dimension 322x250x224.8 mm
Weight Approx. 4.5 kg
Trace 6 waveforms: 2xECG, SpO₂, RR or EtCO₂, 2xIBP
Sweep speed: 6.25, 12.5, 25, 50 mm/sec
Indicators Categorized alarms (3 priority levels)
Visual alarm lamp handle and heart beat tone
QRS beep & SpO₂ pulse beep
SpO₂ pitch tone
Battery status, external Power LED
Interfaces Touch screen, rotary knob
Connectors DC input connector: 18 VDC, 2.5 A
Defibrillator Sync. Output:
- Signal level: 0 to 5 V pulse
- Pulse width: 100 ± 10 ms
LAN digital output for transferring data
External VGA monitor connection
DC output 5VDC. 1A Max
Battery Rechargeable Li-ion battery,
1.5 hours continuous operation
Thermal Printer Speed: 25, 50 mm/sec,
paper width: 58 mm
Data Storage 168 hours trends, 20 cases of
10 sec alarm waveform
USB memory storage
Internal language (selectable) GB, FR, IT, ES, DE,
CZ, PL, PT, RO, BG, HU, TR, RU, CN, KR

ECG
Leads type 3-lead, 5-lead
Lead selection 3-lead: I, II, III
5 lead: I, II, III, aVR, aVL, aVF, V
3-lead: 1 channel
5-lead: 2/7 channel
Heart rate range Adult: 15-300 bpm
Neonate/pediatric: 15-350 bpm
Heart rate accuracy ±1 bpm or ±1% whichever is greater
Sweep speed 6.25, 12.5, 25, 50 mm/sec
Filter Diagnosis: 0.05~120 Hz
Monitoring: 0.5~40 Hz
Moderate: 0.5~25 Hz
Maximum: 5~25 Hz
S-T segment detection range -2.0 to 2.0 mV
Arrhythmia analysis ASYSTOLE, VTACH, VFIB,
BIGEMINY, ACCVENT, COUPLET,
IRREGULAR, PAUSE, PVC, RONT,
TRIGIMINY, VBRADY, SHORTRUN
Pacemaker detection mode Indicator on waveform display (user selectable)
Protection Against electro-surgical interference
and defibrillation
RESPIRATION
Method Thoracic impedance
Channel selection RA-LA or RA-LL
Measurement range 5-120 breath per minute
Accuracy ±1 breath per minute
Apnea alarm Yes
SpO₂ range 0 to 100%; (70 to 100% ±2% digits)

Pulse rate range 0 to 254 bpm ±2 bpm
NIBP SUNTECH Method Oscillometry
Operation Mode manual / Automatic / Continuous
Pressure measurement range 0-300 mmHg
Safety pressure: Adult: 300 mmHg
Neonate: 150 mmHg
Adult pressure: 20 to 220 mmHg
Measurement range: Pulse rate: 30-220 bpm
Pediatric pressure: 20-160 mmHg
Pulse rate: 30-220 bpm
Neonate pressure: 20-130 mmHg
Pulse rate: 30-220 bpm
Accuracy: The static pressure measurement is
within ±3 mmHg
Meets ANSI/AAMI SP 10 2002
TEMPERATURE
Measurement range: 10 to 45°C (59 to 113°F) ±0.1°C
Compatibility YSI SERIES 400 temperature probes
IBP
Channels 2
Measurement range: -50 to 300 mmHg
Accuracy <100 mmHg ±1 mmHg
>-100 mmHg ±1% of reading
Pulse rate measurement range 0 to 300 bpm
Zero balancing Range: ±200 mmHg
Accuracy: ±1 mmHg
Drift: ±1 mmHg of over 24 hours
Transducer sensitivity: 5 µV/mmHg
Pulse rate measurement range: 0 to 300 bpm

BM1, BM3, BM5, BM7 MONITOR ACCESSORIES

GIMA code	ACCESSORIES FOR BM1, BM3, BM5, BM7	Image	Image	Image
33738	NIBP Extension cable, 3 m (necessary for all cuffs) Adult cuff - 49x15 cm - need ext. cable 33738 Child cuff - 35x11 cm - need ext. cable 33738 Obese cuff 62x75.5 - need ext. cable 33738 Kit of 3 neonatal cuffs* - needs cable 33738 Mini cuff 16x5 cm - needs 33738+33739 Mini cuff 23x5 cm - needs 33738+33739 Metal connector (necessary for mini cuff)			33736
33735				
33736				
32848				
33737				
32810				
32811				
33739				
33771	Temp Temperature sensor 3.0 m, skin type <i>Compatible with Drager MM15114, MM15822, GE 21733601, Philips HP21059B, Nihon Kohden P242A, Datascope 0206-02-0003</i> Temperature sensor 3.0 m, rectal type			
33772				
33743	Paper Thermal paper 57.5 mm, 38 Ø			
33742	Battery Ni-MH 12V battery - up to January 2006** - BM3, BM3 Plus Ni-MH 12V battery - Since January 2006** - BM3, BM3 Plus Li-ion battery - Since Sept. 2007** - new BM3, Plus, BM5 Li-ion battery 11.1 V - 6 cell for EtCO ₂ - for 33782 only Li-ion battery 11.1 V for BM1 Li-ion battery 11.1 V for BM7			
33715				
33717				
33798				
33710				
33709				
33747	Adapter AC adapter for BM3, BM5, BM7			

**Date is approximative. Please select battery according to picture and specifications

* Cuff 3.3-5.6 cm, 4.2-7.1 cm, 5-10.5 cm