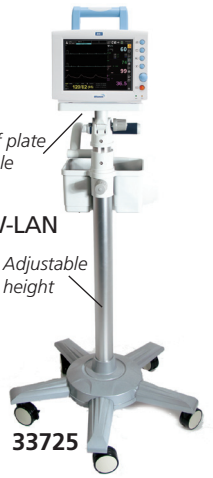
BM3 PRO MULTIPARAMETER MONITOR WITH TOUCH SCREEN

• 33720 GIMA BM3 PRO TOUCH MONITOR (8" - 800x600 - TFT display)

GIMA monitor is configured with:
- 8" wide colour touch screen TFT LCD for a clear view
- Individual sweep speed setting for each parameter
- 168 full hours trend data stored
- SpO_2 measurement with very low perfusion detection and pulse beep
- 2 traces ECG - screen freeze on/off
- external HDMI output for large screen
- connection to Central monitoring system using LAN or W-LAN
- Li-ion Battery (for 2 hours continuous operation)
- High-performance ECG detection and analysis
  - input impedance for dry skin or electrode patch
  - ST level, PVC count real-time display
  - 13 kinds of Arrhythmia analysis
  - pacemaker detection function
- Enhanced & extendible multi-parameter
  - Sidestream/Mainstream $EtCO_2$
- Enhanced data management
  - graphical and tabular trends
  - 20 cases per 10 sec alarm waveform stored, reviewed and printed
- USB memory storage
- B2B interconnection
  - up to 4 monitors (BM3/5/7) can be connected
- Internal software selectable in GB, DE, FR, IT, PT, PL, RO, HU, ES, CZ, BG, RU, TR, CN
- User manual: GB, IT (on request: ES, FR, DE).



• 33725 CART

Adjustable height, basket included.

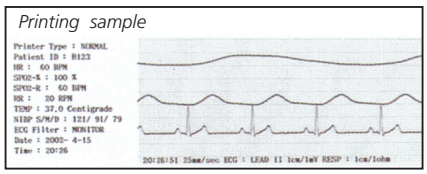
Temperature sensors, cuffs, batteries and accessories see page 351.

CO_2 sensors page 350.

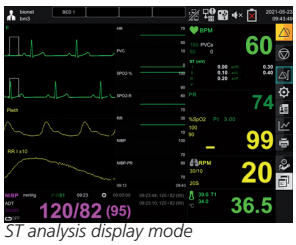
STANDARD ACCESSORIES

3 lead patient cable (ECG)	Reusable adult cuff 25-35 cm
Disposable electrodes: 10 pcs	Reusable child cuff
SpO_2 sensor - reusable	DC adaptor (18 VDC, 2.5A)
SpO_2 sensor extension cable 2 m	Battery
NIBP tubing - 3m	User manual: GB, IT
Thermal printer 58 mm	

Printing sample

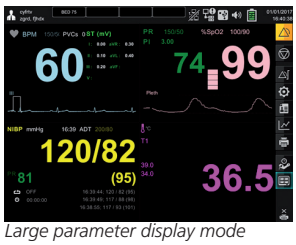


Easy mounting with bed-rail hook

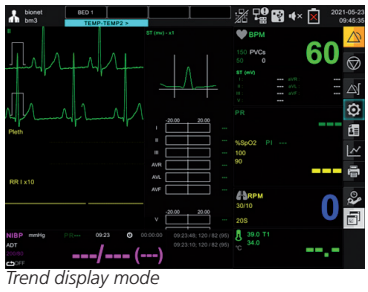


ST analysis display mode

ECG+SpO_2+NIBP+RESP+ optional TEMP and $EtCO_2$



Large parameter display mode

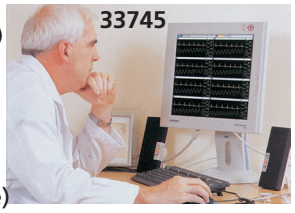


Trend display mode

PATIENT CENTRAL SYSTEM (up to 31 monitors)

It allows the user to monitor and extract the exact status of several patients simultaneously at a place. Convenient bidirectional communication allows you to admit new patient information, set alarms at either central station or patient monitor.

• 33745 WIRE CENTRAL SYSTEM
(PC, monitor, 16 port switch and software)
• 33746 LAN CABLE - 3 m
• 33767 LAN CABLE - 30 m
One for any monitor to be connected.
Customized cable length on request.
• 33758 WIRELESS CENTRAL SYSTEM
(PC, monitor, wireless router and software)
• 33759 WIRELESS CONNECTION KIT
Ethernet converter and power cable.
One for any monitor to be connected.



TECHNICAL SPECIFICATIONS

GENERAL

Display:	8" wide colour touch TFT LCD 800x600 pixels
Dimensions - Weight:	238x250xh 163 mm - 3.1 kg
Trace	4 waveforms: 2*ECG, SpO_2, Respiration Sweep speed: 6.25, 12.5, 25, 50 mm/sec
Indicators	Categorized alarms (3 priority levels) Visual alarm, QRS beep & SpO_2 Pulse beep Percent (%) SpO_2 pitch tone, Battery status, External power LED
Thermal printer:	25, 50 mm/sec (paper width 58 mm)
Battery:	Rechargeable Li-ion battery Operating time: 2 hours of continuous operation (when fully charged)
Interfaces:	LAN digital output for transferring data DC input connector: 18 VDC, 2.8 A max External HDMI output for large screen USB barcode reader USB memory data storage / S/W upgrade
Operating voltage:	100-240 V, 50-60 Hz
Data storage:	168 hours trends, 20 cases of 10 sec alarm waveform

ECG

Lead type:	3-lead, 5-lead (option)
Lead selection:	3-lead I, II, III 5-lead I, II, III, aVR, aVL, aVF, V (option)
Heart rate range:	Adult: 30 to 300 bpm, Neonate/Pediatric: 30 to 350 bpm
Heart rate accuracy:	± 1bpm or ± 1%, whichever is greater
Sweep speed:	6.25, 12.5, 25, 50 mm/sec
Filter:	Diagnosis: 0.05 to 150 Hz Moderate: 0.5 to 25 Hz Monitoring: 0.5 to 40 Hz Maximum: 5 to 25 Hz
Pacemaker detection mode:	Indicator on waveform display (user selectable)
Protection:	Against electrosurgical interference and defibrillation

SpO_2

% Saturation Range:	0% to 100% ± 2 digits (70% to 100%)
Pulse rate range:	30 to 254 bpm ± 2 bpm

NIBP

Technique:	Oscillometric
Measurement Modes:	Manual/automatic/continuous
Pressure range:	0 to 300 mmHg ±3 mmHg
Measurement range:	Adult pressure: 20 to 260 mmHg Pediatric pressure: 20 to 160 mmHg Neonatal pressure: 20 to 130 mmHg

Respirations

Method:	Thoracic impedance
Range:	5 to 120 breath/min
Accuracy:	± 1 breath/min
Apnea alarm:	yes

Temperature Unit - optional

Range:	0° to 50°C (32°F to 122°F)
Accuracy:	± 0.1°C (25°C to 50°C), ± 0.2°C (0°C to 24°C)
Compatible with:	YSI Series 400 Temperature Probes