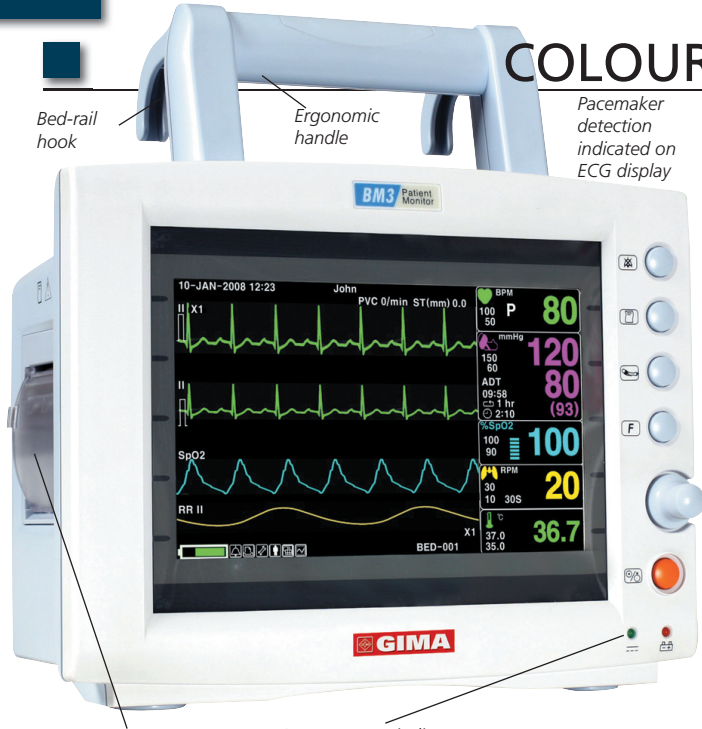


# COLOUR MULTIPARAMETER MONITORS



Bed-rail hook Ergonomic handle

Pacemaker detection indicated on ECG display

- 33718 GIMA BM3 MONITOR (7" - 800x480 - TFT display)
- 33719 GIMA BM3 VET MONITOR - VETERINARY

## ECG+SpO<sub>2</sub>+NIBP+RESP+TEMPERATURE

- GIMA monitors are configured with
- 7" colour TFT LCD for a clear view
  - Individual sweep speed setting for each parameter
  - 128 full hours trend data stored
  - SpO<sub>2</sub> measurement with very low perfusion detection and pulse beep
  - 2 traces ECG
  - screen freeze on/off
  - connection to Central monitoring system using LAN or W-LAN
  - Li-ion Battery (for 1.5 hours continuous operation)
  - High-performance ECG detection and analysis
    - input impedance for dry skin or electrode patch
    - ST level, PVC count real-time display
    - 3 kinds of Arrhythmia analysis
  - Enhanced data management
    - graphical and tabular trends
    - 20 cases per 10 sec alarm waveform stored, reviewed and printed
  - 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)



Angle of plate adjustable Height of cart is adjustable

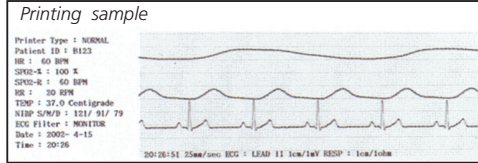
CE 0123

33725

Moving cart increase flexibility around the ward or department.

58 mm built-in printer for both real time and trend data (Speeds: 25-50 mm/sec)

Battery status indicator - continuous operating time 1.5 h

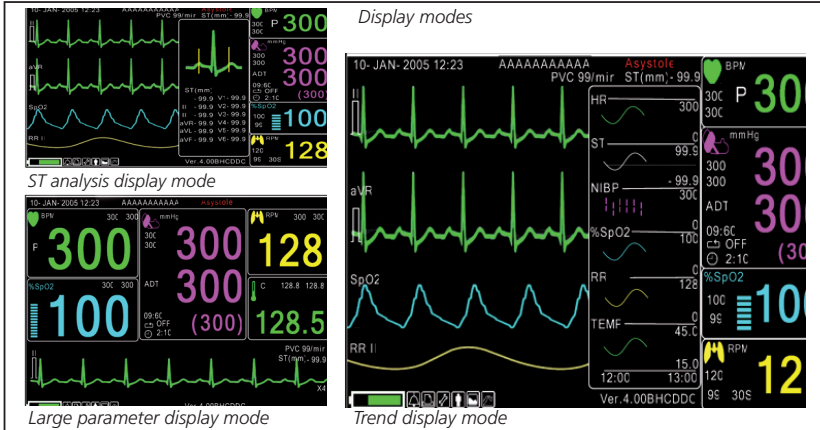


Easy mounting with bed-rail hook



Direct connection of external monitor through optional card

STANDARD ACCESSORIES	33718	33719
3 lead patient cable (ECG)	•	• vet
Disposable electrodes: 10 pcs	•	•
NIBP tubing - 3m	•	•
Reusable adult cuff 25-35 cm	•	•
Reusable child cuff	•	•
Set of 3 veterinary cuffs	•	•
SpO <sub>2</sub> sensor - reusable	•	• vet
SpO <sub>2</sub> sensor extension cable 2 m	•	•
Thermal printer 58 mm	•	•
DC adaptor (18 VDC, 2.5A)	•	•
Battery	•	•
User manual: GB, IT	•	•



Display modes

- 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:	7" colour TFT 800x480 pixels
Dimensions - Weight:	238x250x163 mm - 3.1 kg
Trace	4 waveforms: 2*ECG, SpO <sub>2</sub> , Respiration
Indicators	Sweep speed: 6.25, 12.5, 25, 50 mm/sec Categorized alarms (3 priority levels) Visual alarm, QRS beep & SpO <sub>2</sub> Pulse beep Percent (%) SpO <sub>2</sub> pitch tone, Battery status, External Power LED
Thermal printer:	25, 50 mm/sec (paper width 58 mm)
Battery:	Rechargeable Li-ion battery Operating time: 1.5 hours (fully charged)
Interfaces:	LAN digital output for transferring data DC input connector: 18 VDC, 2.5 A max 100-240 V, 50-60 Hz
Operating voltage:	100-240 V, 50-60 Hz
Data storage:	128 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 - Monitoring: 0.5 to 40 Hz Moderate: 0.5 to 25 Hz - Maximum: 5 to 25 Hz
S-T segment detection range:	-2.0 to 2.0 mV

Arrhythmia analysis:	ASYSTOLE, VTACH, VFIB
Pacemaker detection mode:	Indicator on waveform display (user selectable) Against electro-surgical interference and defibrillation
Protection:	
SpO <sub>2</sub>	
% 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 230 mmHg Neonatal pressure: 20 to 120 mmHg
Respirations	
Method:	Thoracic impedance
Range:	5 to 120 breath/min
Accuracy:	± 1 breath/min
Apnea alarm:	yes
Temperature Unit	
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



33745