BM5 PRO MULTIPARAMETER MONITOR WITH TOUCH SCREEN

• **33776 GIMA BM5 PRO MONITOR - 10.4" TOUCH SCREEN COLOUR TFT LCD - 7 ch ECG**

Arrhythmia analysis: VTAG, VFIB, ASYSTOLIC Pacemaker detection indicated on the ECG waveform display

Enhanced & expandable multi-parameter patient monitor
- 10.4" touch screen colour TFT LCD with 6 waveforms
- individual sweep speed setting for each parameter
- 168 full hours trend data are stored
- SpO$_2$ measurement with very low perfusion detection
- screen freeze on/off
- oxyCRG, drug calculation
- external HDMI output for large screens
- connection to central station using LAN or W-LAN - optional
- Li-ion battery with longer time life (3 hours of continuous operation)
- real time bed to bed connectivity, max 8 monitors without server or central station
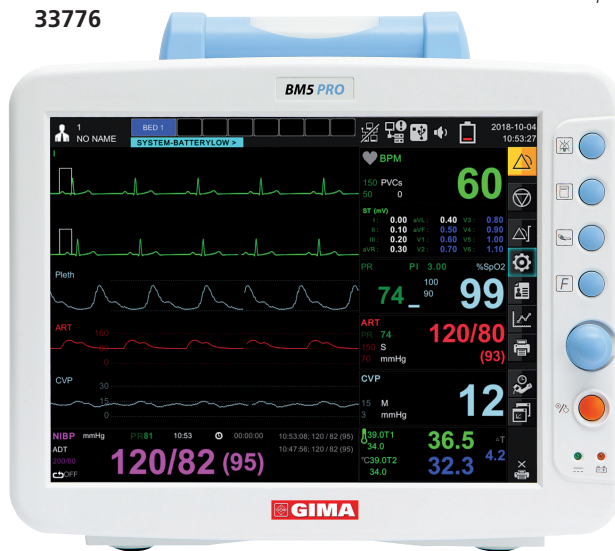- EMR direct HL7 with editable menu
- enhanced & expandable multi-parameters:
  · Mainstream/Sidestream EtCO$_2$ - optional
  · high-performance suntech NIBP (BM5ICU)
- high-performance ECG detection and analysis:
  · enhanced input impedance for dry skin or electrode patch
  · ST level, PVC count, real-time display
  · 13 kinds of arrhythmia analysis
  · pacemaker detection function
- enhanced data management:
  · graphical and tabular trends
  · USB memory storage
  · 20 cases - 1 sec. alarm waveform are stored, reviewed and printed
• **33771 TEMPERATURE SENSOR 3 m - skin type - optional**
• **33772 TEMPERATURE SENSOR 3 m - rectal - optional**
• **33741 EXACON TEMPERATURE SENSOR 2.75 m - rectal - optional**
Other accessories page 351.

Selectable software language (GB, DE, FR, IT, PT, PL, RO, HU, ES, CZ, BG, RU, TR, CN)

33776

CE 0123

TÜV ISO 9001

ECG+SPO$_2$+NIBP+RESP, optional 2 IBP, 2 TEMP, ETCO$_2$ MODULE

STANDARD ACCESSORIES

3 lead patient cable (ECG)	SpO$_2$ sensor - reusable
Disposable electrodes: 10 pcs	SpO$_2$ sensor extension cable 2 m
NIBP tubing - 3m	Thermal printer 58 mm
Reusable child and adult cuff	DC adaptor (18 VDC, 2.5A)
Battery	User manual: GB, IT

TECHNICAL SPECIFICATIONS

GENERAL
Dimensions/Weight: 238x163xh 250 mm/4 kg
Trace: 6 waveform (ECGx2, SpO$_2$, RR or EtCO$_2$ IBPx2)
Indicators: categorized alarms (3 priority levels), visual alarm lamp handle, QRS beep, SpO$_2$ pulse beep, heart rate, SpO$_2$ pulse pitch tone battery status, external power LED
Thermal printer: 25, 50 mm/sec (paper width 58 mm)
Battery: Rechargeable Li-ion (3 hours operating time)
Interfaces: LAN digital output for transferring data Nurse call system connection defibrillator sync. output
DC input connector: 18 VDC, 2.8A max
Operating voltage: 100-240 V, 50-60 Hz
SpO$_2$
% Saturation Range: 0% to 100% ±2 digits (70 to 100%)
Pulse Rate Range: 30 to 254 bpm ±2 bpm
ECG
Lead type: 3-lead, 5-lead
Lead selection: 3-lead: I, II, III
ECG Waveforms: 3-lead 1 channel 5-lead: 1/2/7 channels
Heart rate range: Adult: 30-300 bpm Neonate/pediatric: 30-350 bpm
Heart rate accuracy: ± 1 bpm or ± 1%, wichever is greater

Sweep speed: 6.25, 12.5, 25, 50 mm/sec.
Filter: Diagnoses: 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, Bigeminy, Accvent Couplet, Irregular, Pause, Pvc, Ront, Trigeminy, Vbrady, Shortrun
Pacemaker detection mode: Indicator on waveform display (user selectable)
Protection: against electrosurgical interference and defibrillation
NIBP
Technique: Oscillometric with linear deflation
Pressure range: 0 to 300 mmHg ± 3 mmHg
Measurement Modes: Manual-Automatic-Continuous
Safety pressure: Adult: 300 mmHg Neonate: 150 mmHg
Measurement range: Adult pressure: 20 to 260 mmHg Pediatric pressure: 20 to 160 mmHg Neonate pressure: 20 to 130 mmHg Pulse rate: 30-220 bpm
Accuracy: meets accuracy requirements of ANSI/AAMI ISO 81060-2-2013

Respirations
Range: 5 to 120 breaths/min ±1 b/min
Apnea alarm: yes
Temperature Unit
Range: 0° to 50°C (32°F to 122°F)
Accuracy: ± 0.1°C (25 to 50°C), ± 0.2°C (0 to 24°C)
Compatible with: YSI Series 400 Temperature Probes
IBP - option
Channels: 2
Measuring range: -50 to 300 mmHg
Measuring accuracy: ± 1 mmHg (<100 mmHg) ± 1 % of reading(>100 mmHg)
Pulse rate counting range: 0 to 300 beats/min
Zero balancing: range ± 200 mmHg accuracy ± 1 mmHg drift ± 1 mmHg over 24 hours
Transducer sensitivity: 5µV/V mmHg
EtCO$_2$ - Respironics option
Measurement mode: Sidestream or Mainstream
Measurement range: 0~150 mmHg, 0 to 19%
Respiration range: 2~150 bpm
Accuracy: ± 2 mmHg, 0~40 mmHg ± 5%, 41~70 mmHg ± 8%, 71~100 mmHg ± 10%, 101~150 mmHg
Respiration accuracy: ± 1 breath per minute

RESPIRONICS CO$_2$ SENSORS: CAPNOSTAT MAINSTREAM AND LOFLO SIDESTREAM

• **33796 LOFLO SIDESTREAM CO$_2$ SENSOR for intubated and non intubated patients**
Flexible and compact CO$_2$ sensor that provides consistent and reliable CO$_2$ monitoring of adult, pediatric and neonatal patients. No calibration required. 50 ml/ minute sampling rate.

LoFlo™ Sidestream CO$_2$ sensor

• **33797 CAPNOSTAT MAINSTREAM CO$_2$ SENSOR for intubated patients**
Small, durable and lightweight mainstream CO$_2$ sensor provides accurate and reliable monitoring for all intubated patients from neonates to adults. No calibration required. Fast airway measurement.

Capnostat® Mainstream CO$_2$ sensor

33796

33797

33790
Airway adapter set with dehumidification tubing for intubated adult. Suitable also for VET (dog, horse)

33791
Airway adapter set with dehumidification tubing for intubated Infants. Suitable also for VET (cat, puppy)

33792

33793

33794

33795

GIMA code	EtCO$_2$ ACCESSORIES for 33796 - box of 10
33790	Intubated Filter Line H - adult
33791	Intubated Filter Line H - infant
33792	Non intubated CO$_2$ nasal cannula - adult
33793	Non intubated CO$_2$ nasal cannula - pediatric
33794	Non intubated CO$_2$+O$_2$ nasal cannula - adult
33795	Non intubated CO$_2$+O$_2$ nasal cannula - pediatric

COMPATIBILITY OF LOFLO AND CAPNOSTAT CO$_2$ SENSORS

Brand	Model
Bionet	BM5, BM5 Pro
Creative	K15
Mindray	Various
Philips	Various