

Patient Monitor

PM-2000XL



Model PM-2000XL

All in One Solution Monitoring System

The PM-2000XL patient monitor is a multi-functional all-in-one portable monitoring solution for Ambulatory, Emergency Care, Intermediate Care and Rehabilitation.



PM-2000XL Patient Monitor



Transport And Mounting Solution



2 YEARS
warranty

High Resolution Color TFT LCD Display.
Full touch-screen display, intuitive operation by clicking parameter or waveform.
Pacemaker detection.
Nurse Call function.
Defibrillation protection and synchronization.
Electrosurgical interference protection.
OxyCRG, assessment of respiration and circulation for neonates.
Extended Full-disclosure trend information.
Comprehensive alarm system.
Configurable parameters, options and functions.
ECG (3/5 Lead) with waveform and Heart Rate (HR).
Arrhythmia analysis & ST-segment analysis
Respiration Rate (RR) with waveform.
SpO2 & Pulse Rate (PR).
SpO2 plethysmographic waveform.
SpO2 pulse tone modulation.
NIBP: SYS, DIA, MAP and Pulse Rate.
Two Temperature Channels.
Temperature Difference between two channels (TD).
Two IBP Channels with waveform (optional)
CO2 (optional)
Sidestream/Mainstream End Tidal CO2 (EtCO2) (optional)
Fraction of inspired carbon dioxide (FiCO2).
Air Way Respiration Rate (AwRR).
Bidirectional communication with Monitoring Central Station (CMS-2000).
Wi-Fi (optional)
HL & communication via XML Files.
Barcode Scanner Support (optional)
Thermal recorder (optional)
SD Card slot enables memory extension .
Bed-to-Bed viewing display.
Drug calculation and titration table.
USB & serial ports, VGA & analog outputs and RJ-45.
Built in rechargeable battery.
Power Supply: AC 100~240 Volts 50/60 Hz. Meets IEC 60601-1+A2+A2 & IEC 60601-2+A1 Safety Standards.
Meets FDA 510(k) requirements.



Built-in Temporary Memory

1,200	120h	60	120s
NIBP Measurement Review	Trend Review	Trend Review	Frozen Waveform



Patient Monitor

Clinical Network

Bi-directional communication through Central Monitoring station CMS-2000.



CMS-2000 Software, wired or Wi-Fi

HL7 Protocol communication support

Multiple Display Modes

Multi-Waveform Display

Large Font

NIBP Table

OxyCRG View



Multi-Waveform Display

Large Font

NIBP Table

OxyCRG View

G2 CO2 (Sidestream) (optional)

Superior water trap designed for accurate monitoring.
iCARB algorithm with intelligent CO2 pseudo wave identification technology.
Multiple sampling accessories as option for adult, child neonate and patients.

Respironics CO2 (Mainstream/Sidestream) (optional)

Plug and Play module design.

Dehumidification tube instead of water trap.

Low sampling rate of 50ml/min suitable for all types of patients.



Technical Specifications

Safety Standards	Safety Standards	IEC 60601-1+A1+A2; IEC 60601-2+A1; IEC 60601-1-8 (Alarm)
Physical Specifications	Dimensions Weight	260mm (L) x 140mm (W) x 205mm (H) Standard configuration 3.6kg
Display	Display Resolution Traces Displayed Waveforms Displayed Various Workings Selectable Interface Sweep Speed	8.4" Color TFT LCD Touch-screen 800 X 600 dpi Up to 8 Up to 11 Standard Monitoring Display Large Font Intensive Care Display / Trend Graph/Monitoring Co-Display / Bed to Bed view display (Optional) / OxyCRG Dynamic View display / Drug Dose Calculation Interface. 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
Environment Requirement	Ambient Temperature Humidity	-20°C - 55°C (-4 - 131°F) 15%-95% non-condensing
Power Supply	AC Power Supply Internal Battery Battery Working Period Recharging Time	100-240V AC, 50/60HZ - Pmax=80VA 14.8 Rechargeable Li-ion Battery / 4200 mAh 14.8 V DC Up to 6hours <150minutes (2100 mAh) / <360minutes (4200 mAh)
Resp	Method Operation Mode Rr Measurement Range Resolution Apnea Alarm Threshold Alarm Band Width Sweep Speed	Trans-thoracic impedance Auto/Manual Adult: 0-120rpm / Neonate/Pediatric: 0-150rpm 1rPM 10s, 15s, 20s (default), 25s, 30s, 35s, 40s 3 levels of audible and visual alarm, Alarms events recallable 0.2-2.5Hz (-3dB) 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
ECG	Lead Type 3 Leadwire Cable 5 Leadwire Cable Lead Selection Gain Selection Sweep Speed Ecg Hr Range Resolution & Accuracy Filter Protection St-Segment Detection Alarm Pace Maker Detection	5-lead and 3-lead selectable RA; LA; LL or R; L; F RA; LA; RL; LL; V or R; L; N; F; C 3-lead: I; II; III / 5-lead: I; II; III; aVR; aVL; aVF; V x0.125; x0.25; x0.5; x1; x2; auto 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s Adult/ Pediatric: 15-300bpm / Neonate: 15-350bpm ±1bpm or ±1%, whichever is greater Diagnosis mode: 0.05-150Hz / Monitoring mode: 0.5-40Hz / Surgical mode: 1-20Hz Withstand 5000VAC/50Hz voltage in isolation against defibrillation, electrosurgical interference Measurement range: -2.0mV ~ 2.0mV / Alarm range: -2.0mV ~ 2.0mV Comes With St-segment Arrhythmia Analysis And Categorization 3 levels of audible and visual alarm, alarm events recallable Yes, and 5 types abnormal status detectable / IEC 60601-2-25; AAMI EC 11 / EC 13 IEC 60601-2-27
NIBP	Method Operations Modes Auto Measurement Time Interval Measurement Unit Measurement Types Pressure Range Adults Pressure Range Pediatrics Pressure Range Neonates Resolution Accuracy Alarm Pr From Nibp Resolution Accuracy	Automatic Oscillometric Manual / Automatic/ Continuous Adjustable 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240, 480 minutes. MmHg/kpa Selectable Systolic, Diastolic, Mean Systolic: 40 - 270 mmHg / Diastolic: 10 - 215 mmHg / Mean: 20 - 235 mmHg Systolic: 40 - 200 mmHg / Diastolic: 10 - 150 mmHg / Mean: 20 - 165 mmHg Systolic: 40 - 135 mmHg / Diastolic: 10 - 100 mmHg / Mean: 20 - 110 mmHg 1mmHg Max mean error ±5mmHg / Max standard deviation ±8mmHg Systolic, Diastolic, Mean Measurement 40-240 bpm 1 bpm ±3bpm or 3% whichever is greater Comes with leak test and pressure auto calibration / IEC 60601-2-30 / SP10: 2002
SPO ₂	Measurement/Alarm Range Resolution Accuracy PR Measurement/ Alarm Range Resolution Accuracy Refresh	0 - 100% (SpO ₂) 1% ±2% (70-100% Adult/Pediatric); / ±3% (70-100% Neonate) 25 - 300 bpm 1bpm 3bpm 1s ISO 9919

Technical Specifications

Temperature (2 Channels, 1 Probe By Default)	Measurement Range Resolution Probe Type Accuracy Channel	0-50°C (32-122°F) 0.1°C YSI (B Series) and CF-FI ±0.1°C (without probe) Dual-channel. Provide T1; T2;T IEC 12470-4
IBP (2 Channels Optional)	Measurement Pressure Measurement Range Accuracy Sensitivity Impedance Range	ART, PA, CVP, RAP, LAP, ICP, P1, P2 -50 - 300mmHg; Resolution: 1 mmHg ±2% or ±1mmHg. Whichever is greater (without probe) 5µ V/V / mmHg; 300 - 3000 Ω IEC 60601 - 2 -34
CO2 (Mainstream/ Sidestream, Optional)	Range Accuracy AWRR Accuracy	0~150mmHg ±2% 0~40mmHg ±5% 41~70mmHg ±8% 71~100mmHg ±10% 101~150mmHg ±1rpm Convenient design for intubated and non-intubated applications / Possible to work at low sample flow rate: 50ml/ minute / Detailed specification refer to the user manual
Recorder (Optional)	Print Speed Paper Width	25mm/s, 50mm/s 50mm / Record width: 48mm Built-in direct thermal pixel array recorder Up to 3 channels printing and 1,2,3 channels selectable
I/O Interface	Peripherals	1-USB Port SD card Socket RS-232 Serial Port RJ-45 Ethernet Port, IEEE 802.3 VGA output Analog and Nurse Call Output Defibrillation Synchronization Output WLAN Access Point 802.11g 54Mbps (Optional)

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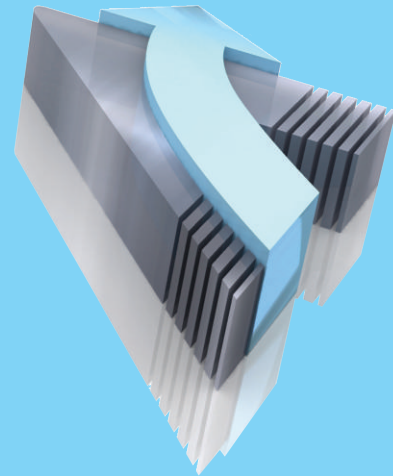
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