

PatientMonitor PM-2000XL PRO



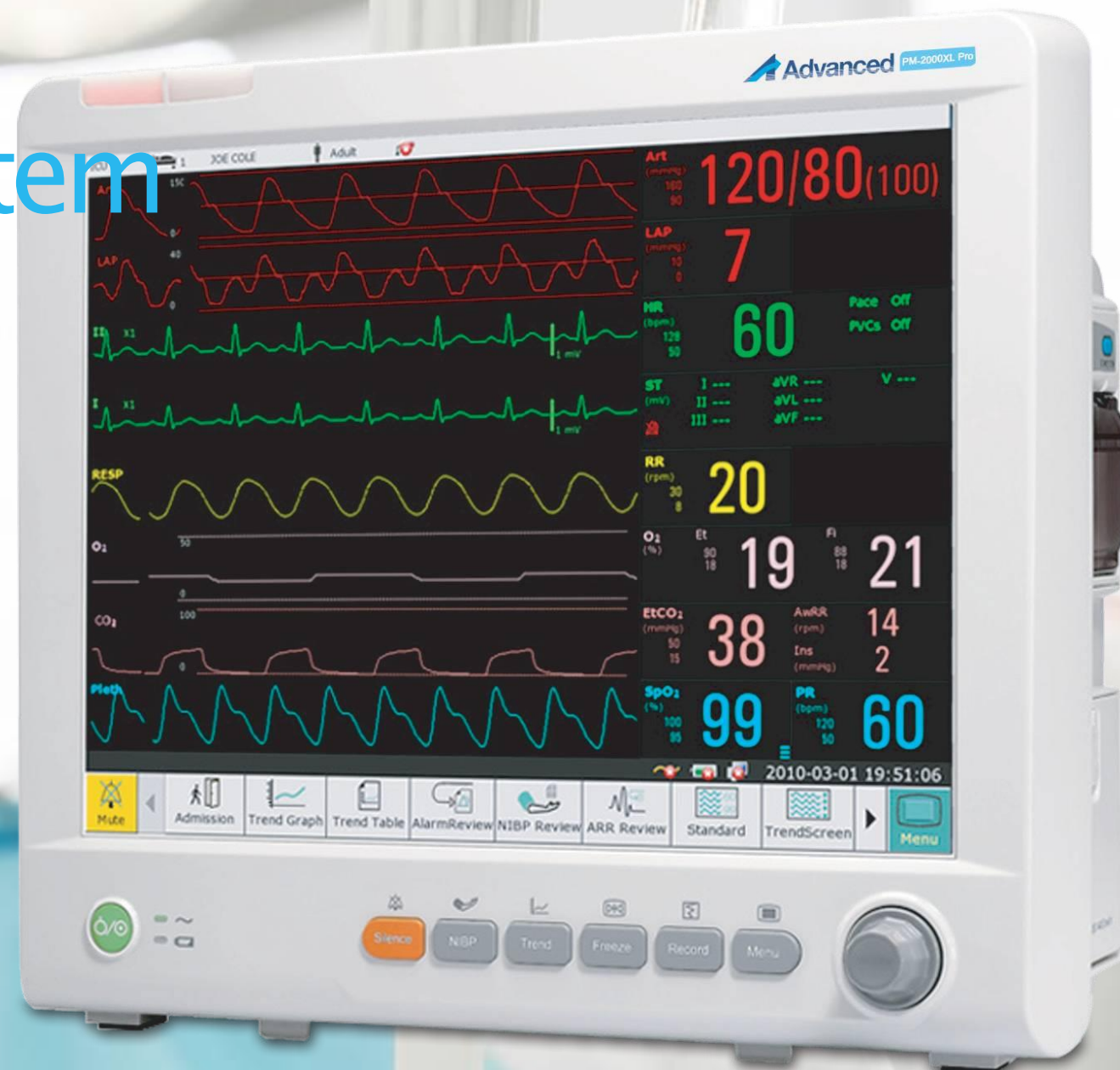


Patient Monitor

Model PM-2000XLPRO Patient Monitor

All in One Solution Monitoring System

The high performance of the Advanced Instrumentations PM-2000XL PRO patient monitor is designed to match the needs for critical care, post anesthesia care and operation room. The advanced monitoring system and built - in clinical interfaces can provide the all-in-one solution for hospital segments.



PM-2000XL PRO

Patient Monitor

Wall Mount



Transport Unit



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.
- ECG (3/5 Lead & 12 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.
- Temperature Difference between two channels (TD).
- Two/Four IBP Channels with waveform.
- Sidestream/Mainstream End Tidal CO2 (EtCO2).
- Fraction of inspired carbon dioxide (FiCO2).
- Air Way Respiration Rate (AwRR).
- CO2 waveform.
- Anesthetic agent measurement with identification.
- Nitrous oxide measurement (N2O).
- Fraction of inspired oxygen (FiO2) Paramagnetic.
- Cardiac Output (CO) measurement.
- Optional Thermal Recorder.
- Bidirectional communication with Monitoring Central Station (CMS-2000).
- Wi-Fi Option.
- HL7 communication via XML Files.
- Barcode Scanner Support.
- SD Card slot enables memory extension .
- USB & serial ports, VGA & analog outputs, 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.

Patient Monitor

Clinical Network

Bi-directional communication with CMS-2000 central station by wired or wireless connection.



12-LED (Optional)

Conventional diagnostic 12-lead ECG, and multi-lead arrhythmia, automatically 208 kinds of analysis results, up to 16 kinds of arrhythmias, 50 sets 12-lead analysis result review, 10 seconds of 12-lead waveform to review and print out.



Co2 (For Intubation And Non-intubation Application)

Suitable for neonatal patients / No need to calibrate on regular basis / Sidestream sampling rate of 50 ml/min

Anesthetic Gas / O2

Mainstream

CO2, N2O and anesthetic agent measurement Sidestream sampling rate of 50 ml/min and identification probes. Complete gas analysis system contained within sensor head. Plug in and measure. Lower power consumption.

Sidestream

Unique water handling Nomoline. Low sample flow 50ml/min for all type of patients. Extremely low power consumption and weight. Warm-up time 10/20 seconds before full performance.

Paramagnetic Oxygen

Fast response, totally linear. High stability and accuracy. Long operational life. Low maintenance requirements. Insignificant effect from background gases.

Built-in Temporary Memory

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



Technical Specifications

Safety Standards	Safety Standards	IEC 60601-1+A1+A2; IEC 60601-2+A1; IEC 60601-1-8 (Alarm)
Physical Specifications	Dimensions Weight	370mm (L) x 175mm (L) x 320mm (H) Standard configuration 7kg (with one battery)
Display	Display Resolution Traces Displayed Waveforms Displayed Various Workings Selectable Interface Sweep Speed	15" Color TFT LCD Touch-screen 1024 x 768 dpi / 800 x 600 dpi Up to 8 Up to 13 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 display (Optional) / OxyCRG Dynamic View display / Drug Dose Calculation Interface
Environment Requirement	Ambient Temperature Humidity	370mm (L) x 175mm (L) x 320mm (H) 15%-95% non-condensing
Power Supply	AC Power Supply Internal Battery Battery Working Period Recharging Time	100-240V AC, 50/60HZ Rechargeable Li-ion Battery / 4200 mAh 14.8 V DC / 2100 mAh (optional) 6hours maximum (with 2x4200mAh batteries) / Under certain circumstance: 2100mAh: 120mins/4200mAh: 240mins <360minutes (4200 mAh) / <150minutes (2100 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 12-lead Input Lead Selection Gain Selection Sweep Speed Ecg Hr Range Resolution & Accuracy Filter Protection St-segment Detection Alarm 12 Lead Ecg Analysis Pace Maker Detection	5-lead and 3-lead selectable, 12-lead optional RA; LA; LL or R; L; F RA; LA; RL; LL; V or R; L; N; F; C (including 3/5-lead optional) 10 leadwire cable; RA; LA; RL; LL; V1-V6 or R; L; N; F; C1-C6 3-lead: I; II; III / 5-lead: I; II; III; aVR; aVL; aVF; V / 12-lead: I; II; III; aVR; aVL; aVF; V1-V16 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: 0.05-100Hz or 0.05-10Hz (optional 12-lead) / 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 208 reference diagnosis results 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 Over-pressure Protection Pressure Range Adults Pressure Range Pediatrics Pressure Range Neonates Resolution Accuracy Alarm Pr From Nibp Resolution Accuracy Gain Selection	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 Dual Safety Protection Comes With Leak Test And Pressure Auto Calibration 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

Technical Specifications

SPO ₂	Measurement/Alarm Range Resolution Accuracy PR Measurement/ 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
Temperature (2 Channels, 1 Probe By Default)	Measurement Range Resolution Accuracy (W/O Sensor) Channel	0-50°C (32-122°F) 0.1°C ±0.1°C Dual-channel. Provide T1; T2; IEC 12470-4 ±0.1°C (without probe)
IBP (2-4 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
Co ₂ (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
C.O. (Optional)	Method Measuring Range Alarm Range	Thermodilution Technology CO 0.1~ 20L min / TB 23°C ~ 43°C / TI -1°C ~ 27°C 23°C ~ 43°C
Anesthetic Gas/O ₂ (Optional)	Technology Paramagnetic Oxygen Warm-up Time Sample Flow Rate Respiratory Rate Measuring Range	Infra-red absorption characteristic Optional Iso accuracy mode: 45s / Full accuracy mode: 60s 50+-10ml/min 0-150bpm +1bpm CO ₂ : 0~ 15% / N ₂ O: 0~ 100% / Hal/Iso/Enf: 0~ 8% / Sev: 0~10% / Des: 0 ~ 22% / O ₂ : 0 ~ 100%
Thermal Recording (Optional)	Print Speed PaperWidth	25mm/s, 50mm/s 50 mm Built-in direct thermal pixel array recorder Up to 3 channels printing and 1,2,3 channels selectable
I/O Interface	Peripherals	2-USB Ports 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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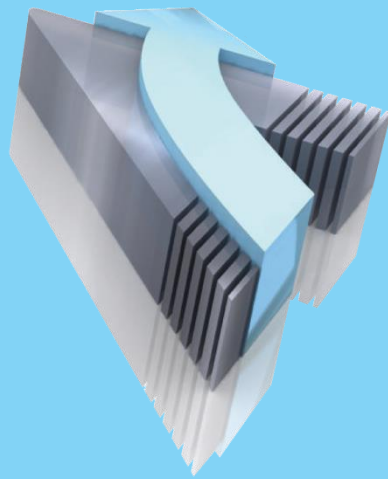
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