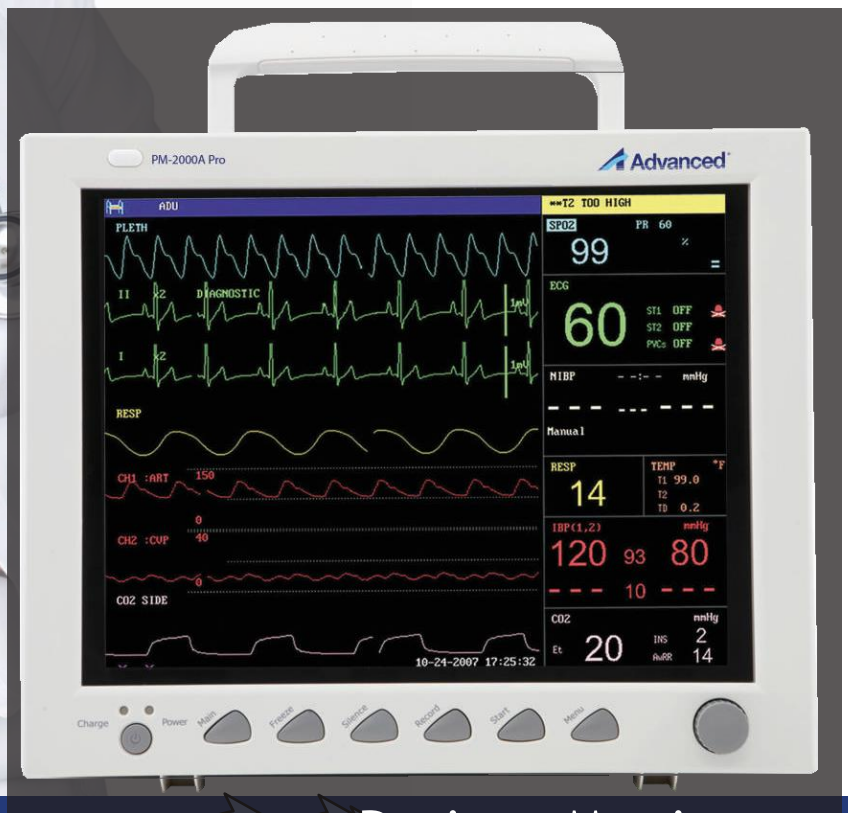
PAT

Advanced® Instrumentations

PatientMonitor
PM-2000A PRO



Patient Monitors

Advanced Instrumentations

Patient Monitor

Model PM-2000A PRO

Accurate Readings And Optimized Performance

The PM-2000A PRO patient monitor meets the most basic monitoring needs, bringing easy access to high-quality healthcare for everyone.

Advanced® Instrumentations

Patient Monitor

PM-2000A PRO

Patient Monitor

Transport And Mounting Solution

2 YEARS warranty

- High Resolution Color TFT LCD Display.
- Pacemaker detection.
- Defibrillation protection.
- Nurse Call function.
- Event marker.
- Extended Full-disclosure trend information.
- Comprehensive alarm system.
- Bidirectional communication with Monitoring Central Station (CMS-2000).
- Data Management by Patient Care Viewer PC Software.
- OxyCRG, assessment of respiration and circulation for neonates.
- ECG & Heart Rate (HR).
- ECG Waveform
- Arrhythmia analysis.
- ST-segment analysis.
- Respiration Rate (RR).
- Respiration Waveform.
- SpO2 & Pulse Rate (PR).
- SpO2 plethysmographic waveform.
- SpO2 pulse tone modulation.
- NIBP: SYS, DIA, MAP and Pulse Rate.
- Two Temperature Channel.
- Temperature Difference between two channels (TD). Two IBP Channels (opcional)
- Dual-IBP waveforms.
- CO2 waveform.
- Sidestream End Tidal CO2 (EtCO2).
- Fraction of inspired carbon dioxide (FiCO2).
- Air Way Respiration Rate (AwRR).
- Thermal Recorder (optional)
- Bed-to-Bed viewing display.
- Drug calculation and titration table.
- USB Port, VGA output and RJ-45.
- Built in rechargeable battery.
- Meets IEC 60601-1+A2+A2 & IEC 60601-2+A1 Safety Standards.
- Meets FDA 510(k) requirements.
- Two years warranty

Built-in Temporary Memory

500	96h	60	720s
NIBP Measurement Review	Trend Review	Alarm Review	Frozen Waveform

Lan USB WiFi

Clinical Network

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

CMS-2000 Software, wired or Wi-Fi

Multiple Display Modes

3/5 lead ECG analysis OxyCRG for neonate. Large Font Trend screen

3/5 lead ECG analysis | OxyCRG for neonate. | Large Font | Trend screen

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.

IBP Invasive Blood Pressure (optional)

Measurements are displayed as waveforms and numeric pressures.
ART Arterial blood pressure
PA Pulmonary artery pressure
CVP Central venous pressure
RAP Right atrial pressure
LAP Left atrial pressure
ICP Intracranial pressure
P1-P2 Expanded pressure.

Advanced® Instrumentations

PM-2000A PRO

Technical Specifications

Physical Specifications	Dimensions	320mm (L) x 150mm (W) x 265mm (H)
	Weight	4.2kg (with battery)
Display	Display	12.1" Color TFT LCD
	Resolution	800 X 600 dpi
	Traces Displayed	Up to 8
	Waveforms Displayed	Up to 13
	Sweep Speed	6.25, 12.5, 25, 50mm/s
Power Supply	AC Power Supply	100-240V AC, 50/60HZ -
	Internal Battery	14.8 Rechargeable Li-ion Battery
Resp	Method	Trans-thoracic impedance
	Operation Mode	Auto/Manual
	Rr Measurement Range	Adult: 0-120rpm, Neonate/Pediatric: 0-150rpm
	Resolution	1rPM
	Apnea Alarm Threshold	0s, 15s, 20s (default), 25s, 30s, 35s, 40s
	Band Width	0.2-2.5Hz (-3dB)
	Sweep Speed	6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
ECG	Lead Type	5-lead and 3-lead selectable
	Gain Selection	x0.125; x0.25; x0.5; x1; x2; x4
	Sweep Speed	6.25mm/s, 12.5mm/s, 50mm/s
	Ecg Hr Range	Adult: 15-300bpm, Neonate/ Pediatric: 15-350bpm /
	Resolution & Accuracy	±1bpm or ±1%, whichever is greater
	Bandwidth (-3db)	Diagnosis mode: 0.05-150Hz / Monitoring mode: 0.5-40Hz / Surgical mode: 1-20Hz
	St-Segment Detection	Measurement range: -2.0mV ~ 2.0mV / Alarm range: -2.0mV ~ 2.0mV
SPO_2	Measurement/Alarm Range	0 - 100% (ADV SpO2)
	Resolution	1%
	Accuracy	±2% (70-100% Adult/Pediatric); ±3% (70-100% Neonate none-motion)
	PR Measurement/	25 - 300 bpm
	Alarm Range	0%-100%
	Resolution	1bpm
	Accuracy	±2bpm
	Refresh	1s
NIBP	Method	Automatic Oscillometric
	Operations Modes	Manual / Automatic/ Continuous
	Auto Measurement Time Interval	Adjustable 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240, 480 minutes.
	Measurement Unit	Mmhg/kpa Selectable
	Measurement Types	Systolic, Diastolic, Mean
	Pressure Range Adults	Systolic: 40 - 270 mmHg / Diastolic: 10 - 215 mmHg / Mean: 20 - 235 mmHg
	Pressure Range Pediatrics	Systolic: 40 - 200 mmHg / Diastolic: 10 - 150 mmHg / Mean: 20 - 165 mmHg
	Pressure Range Neonates	Systolic: 40 - 135 mmHg / Diastolic: 10 - 100 mmHg / Mean: 20 - 110 mmHg
	Resolution	1mbp
	Accuracy	Max mean error ±5mmHg / Max standard deviation ±8mmHg
	Alarm	Systolic, Diastolic, Mean
	Pr From Nibp	Measurement 40-240 bpm
	Resolution	1 bpm
	Accuracy	3bpm or 3%, (whichever is greater)
Thermal Recorder	Print Speed	25, 50mm/s /Paper Width: 50mm
Temperature (2 Channels, 1 Probe By Default)	Measurement/Alarm Range	0~50ºC (32-122°F)
	Channel	Dual-channel. Provide T1; T2; ΔT
	Resolution & Accuracy	±0.1°C (without probe)
CO_2 Sidestream (Optional)	Range	0~13% (0-100mmHg)
	Accuracy	±2mmHG (<5.0% CO2) ±6mmHG (>5.0% CO2)
	AWPR Accuracy	1% or ±1rpm
	Sample Flow Rate	10-200 ml/min
IBP (2 Channel Optional)	Measurement Pressure	ART, PA, CVP, RAP, LAP, ICP, P1, P2
	Measurement Range	-50~300 mmHg
	Resolution/Accuracy	1 mmHg / ±2% or ±1 mmHg (whichever is greater, without probe)
	Sensitivity	5 V/VmmHg
	Impedance Range	300-3000 K

2018 Advanced Instrumentations Inc., is a U.S.A registered company – All rights reserved.

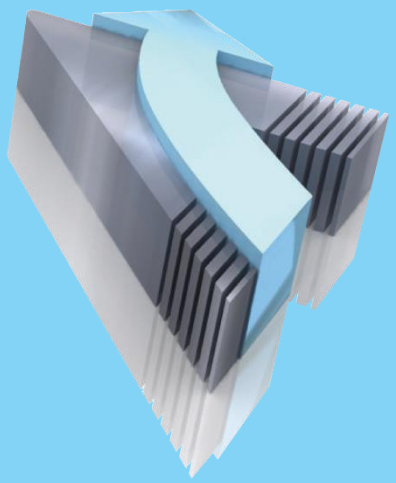
All functionality, features, specifications and other product information provided in this document including, but not limited to, the benefits, design, pricing, components, performance, availability, and capabilities of the product are subject to change without notice or obligation. Advanced Instrumentations reserves the right to make changes to this document and the product described herein, at any time, without obligation on Advanced Instrumentations to provide notification of such change. Actual description and specification of the product in this document may be different. Images shown here are for representational purpose only, actual may vary.

Advanced and Advanced Instrumentations trademarks and logos shown are property of Advanced Instrumentations Inc.

Advanced Instrumentations Inc.
Success Through Quality,
a Company You Can Trust

Advanced Instrumentations manufactures leading medical technology equipment in the areas of anesthesia, cardiology, operating room, gynecology and obstetrics, IV therapy, patient monitors, hospital furniture, neonatology and ultrasound. We deliver to the healthcare industry the highest-quality standards, reliability, and patient safety in all our products through euective, and rigorous testing procedures by our own department of Biomedical Engineering in the United States. All of our equipment comes with 2 years warranty and excellent post-sale support services.

Advanced Instrumentations Inc. Complies with the requirements of the ISO standards 9001: 2008 and 13485-2003 following the audit by one of the most prestigious global certification companies, as it is TÜV SÜD America. We comply with the requirements and are audited by the US Food and Drug Administration (FDA) an entity of the health and Human Services of the United States of America. These certifications are the result of dedication and commitment to excellence in our products and services.



6800 N.W. 77 Court,
Miami, FL 33166
U.S.A.
Phone: 305-477-6331
Fax: 305-477-5351

Distributor:

DELTA PLUS (PVT) LTD.
H # 220, STREET # 13
Khayaban-E-Kashmir
G-15/4, Islamabad , Pakistan
TEL+92(51)2160155-6
FAX: +92(51)2160157
info@deltapluspvt.coM
URL: www.deltapluspvt.com