

PM-7000D Patient Monitor

Data Sheet

Physical Specifications

Weight	3.1Kg
Size	308 × 141 × 273mm
Display screen	12.1" real color LED screen operation.

ECG

Meet standards of IEC 60601-2-27 and IEC 60601-2-25.

Lead set	3-lead: I,II, III, 5-lead:I,II, III, AVR, AVL, AVF,
Input signal range	± 8 mV (p-p)
V Gain	×1.25mm/mV, 2.5mm/mV, 5.0mm/mV, 10mm/mV, 20mm/mV, Auto(error≤5%)
Sweep speed:	12.5mm/s, 25mm/s, 50mm/s (error≤±10%)
Bandwidth:	Surgery 1 ~ 20 Hz Monitor 0.5 ~ 40 Hz Diagnostic 0.05 ~ 240 Hz
Sensitivity:	>200 μV P-P
CMRR:	≥116dB
Polarization Voltage	≥±500mV
Input Impedance	≥5 M
Calibration Voltage	1mV±5% .
Pace Detection	Amplitude: ± 2 mV to ± 700 mV Width: 0.1 to 2 ms Rise time: 10 to 100 μs

Defibrillation tolerance

High frequency electrotome tolerance

AC and Drift tolerance

Heart Rate

HR rang	Adult: 15 to 300 bpm Pediatric/Neonate: 15 to 350 bpm
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HR accuracy	± 1 bpm
HR resolution	1 bpm

Arrhythmia Analysis

Intended use for adult, pediatric and neonate.

Multi-lead, 23 classifications. Asystole, VFib/VTac, Vtac, Vent. Brady, Extreme Tachy, Extreme Brady, PVCs/min, PNP, PNC, PVC, Run PVCs, Multif. PVC, Bigeminy, Trigeminy, R on T, Missed Beats, Tachy, Brady, Vrrhythm, Nonsus. Vtach, Pause, Irr. Rhythm.

Respiration

Lead	I or II
RR range	Adult:0 to 120 rpm Pediatric/Neonate:0 to 150 rpm
RR accuracy	± 2 rpm or ± 2% whichever is greater (7 to 150 rpm) No difinition(0 to 6 rpm)
RR resolution	1 rpm
Sweep speed	12.5 mm/s, 25 mm/s, 50 mm/s
Apnea time	10 s, 15 s, 20 s, 25 s, 30 s, 35 s, 40 s

SpO2

Meet standards of ISO 9919.

SpO2	range 0 to 100 %
SpO2 accuracy	± 2 % (70 to 100%) No difinition (0 to 69%)
Perfusion indicator (PI)	Yes,
Refreshing rate	≤ 1 s

PR

PR range	30 to 254 bpm
PR accuracy	± 2 bpm or ± 2% (30 to 254bpm, from Zoncare SpO2) ± 2 bpm (30 to 2540 bpm, from IBP)



	± 2 bpm or ± 2 %, whichever is greater (from NIBP)
Refreshing rate	1 s

Temperature

Meet standard of EN 12470-4.

Channels	2 channels
Temp range	0 to 50 °C (32 to 122 °F)
Temp accuracy	± 0.1 °C or ± 0.2 °F (without probe)
Temp resolution	0.1 °C
Refreshing rate	1 s

NIBP

Meet standards of EN 60601-2-30 / IEC 60601-2-30、EN 1060-1、EN 1060-3、EN 1060-4、SP10、YY0667、YY0670.

Technique	Oscillometry
Operation mode	Manual, Auto, STAT,
Parameters	Systolic, diastolic, mean
Max measurement time	Adult/Pediatric: 180 s, Neonate: 90 s
Systolic range	Adult/ Pediatric: 30 to 254 mmHg Neonate: 30 to 135 mmHg
Diastolic range	Adult/ Pediatric: 10 to 220 mmHg Neonate: 10 to 110 mmHg
Mean range	Adult/ Pediatric: 20 to 235 mmHg Neonate: 20 to 125 mmHg
NIBP accuracy	± 5 mmHg or $\pm 4\%$ whichever is greater

Max standard deviation: 8 mmHg

NIBP resolution 1 mmHg

Assisting venous puncture Yes

IBP

IBP range	-50 to 400 mmHg
IBP accuracy	± 4 mmHg or ± 4 %, whichever is greater
IBP resolution	1 mmHg

Mainsteam CO2

Rise time	< 70 ms
CO2 range	0-19.7%(0 to 150 mmHg, or 0-20KPa)
CO2 accuracy	± 2 mmHg (0 to 40 mmHg) ± 5 % of the reading (41 to 70 mmHg) ± 8 % of the reading (71 to 100 mmHg) ± 10 % of the reading (101 to 150 mmHg)

Data Review

Trends data	Up to 120 hours @ 1min
Events	Up to 2000 events, including parameter alarms, arrhythmia events technical alarms, and so on.
NIBP	Up to 2000 sets
Full disclosure	Up to 48 hours for all parameter waveforms. Configured with a flash drive or CF card.

Alarms

Audible indicator	Yes, 3 different alarm tones, and prompt tone
Visible indicator	Red/yellow/cyan LED, and alarm message display
Provide AlarmSight infographic alarm indicator.	

Interfacing

Main unit	AC power connector (1) VGA port (1) Network connector (1), RJ45 USB 2.0 connector (2)
Remote control	support
Thermal recorder	3 traces (paper 50 mm width,

	20 m length)
Network printer	support
Power	
Line voltage	100 to 240 VAC ($\pm 10\%$)
Maximum current	2.0A
Frequency	50/60 Hz (± 3 Hz)
Battery	Rechargeable lithium-ion battery, 14.8V-2200mAh
Recharge time (power off)	2.5h to 90% 3h to 100%

Environmental requirements

Temperature	Operating: 5 to 40 °C
	Storage: -20 to 55 °C
Humidity	Operating: 25 to 85 % (non condensing)
	Storage: 10 to 95 % (non condensing)
Barometric	Operating: 70 to 106 kPa
	Storage: 50 to 106 kPa