

Overview

Application

Adult/Pediatric/Neonatal/Medicine/Surgery/
Operating Room/ICU/CCU

Features

Light & handy

Measurement

ECG/ SpO₂/NIBP/HR&PR/Temp/Resp

Network

Wire/wireless network

Triplex alarms

Light/Message/Sound (support real voice)
(High/medium/low levels adjustable)
Electrode Disconnection Alarm (Diagram)

Vista Operating System

Easy operation/stable performance

Electrotome/defibrillation tolerance

Restore within 5 seconds after defibrillation

Power Supply:

AC & DC

Data Storage

Trend diagram/table: 1000h
NIBP review: 2000 events
Wave review: 48h
Alarm review: 200 alarm events

Support drug concentration titration analysis

Physical Specification

Dimension & weight

Equipment:

308mm × 141mm × 273mm; 3.1 kg

Package:

410mm×280mm×360mm; 6 kg

Monitor

12.1" real color LED screen

Battery

2200mAh 14.8V
3h operating after full charge
30min operating after low battery alarm

Electrical Power

AC: 100 ~ 240V, 50Hz/60Hz
DC: Built-in rechargeable battery

Environmental Conditions

Temperature:

Working 5 ~ 40°C
Storage -20 ~ 55°C

Humidity:

Working 20% ~ 85%
Storage 10% ~ 95%

Pressure:

Working 70.0 kPa ~ 106.0kPa
Storage 50.0 kPa ~ 106.0kPa

Technique Specification

ECG

5 Leads: RA, LA, LL, RL, V
Lead mode: I,II, III, AVR, AVL, AVF, V
Gain: ×1.25mm/mV, 2.5mm/mV,
5.0mm/mV, 10mm/mV,
20mm/mV (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%

ST Segment Range:

-0.8mV ~ +0.8mV (accuracy ±0.02mV)

Double Insulation Protection

(4000VAC/50Hz)

Defibrillation tolerance

High frequency electrotome tolerance



AC and Drift tolerance

Support heart Pace-making Analysis

13 Arrhythmia Analysis:

Asystole, V-Fibrillation/Tachycardia,
Single/Paired/Multiform PVC, Bigeminy,
Trigeminy, Polycardia, P-0N-T,
Bradycardia, Leaky-wave, Pacemaker
not captured, Pacemaker failure

SpO₂

Measurement range: 30 ~ 100%
Resolution: 1%
Accuracy: 70% ~ 100% ±2digit
40% ~ 69% ±3digit
Pulse rate:
Measure/alarm range 20 ~ 254bpm
Resolution 1bpm
Accuracy ±1bpm

NIBP

Method: Oscillometry
Measure mode: Manual, Auto, STAT
Measure interval in auto mode:
1~5/10/15/30/60/90/120/180/240/480min
Measure period in STAT mode: 5min
Pulse rate range: 40 ~ 240bpm
Measure & alarm range:
Adult mode
SYS 40 ~ 280mmHg
DIA 10 ~ 220mmHg
MEAN 20 ~ 235mmHg
Pediatric mode
SYS 40 ~ 280mmHg
DIA 10 ~ 220mmHg
MEAN 20 ~ 235mmHg

Resp

Neonatal mode

SYS 40 ~ 135mmHg

DIA 10 ~ 110mmHg

MEAN 20 ~ 125mmHg

Static pressure measurement

Range: 0 ~ 300mmHg

Accuracy: ± 3 mmHg

Resolution: 1mmHg

Accuracy:

Max. Mean Error ± 5 mmHg

Max. Standard Deviation 8mmHg

Overpressure protection:

Adult 300mmHg

Pediatric 300mmHg

Neonatal 150mmHg

Heart/Pulse Rate

Measure range:

Adult 20 ~ 300 bpm

Neonatal/Pediatric 20 ~ 350 bpm

Accuracy: ± 3 bpm

Resolution: 1 bpm

Temp

Channel 2

Measure & alarm range 0 ~ 50°C

Resolution 0.1°C

Accuracy (no sensor) $\pm 0.2^\circ\text{C}$ (0~50°C)

Method: impedance between RA-LL

Resp Impedance range: 0.3 ~ 5 Ω

Base Impedance range: 200 Ω ~ 2500 Ω

Bandwidth: 0.2 ~ 2Hz

Gain: $\times 0.25$, $\times 0.5$, $\times 1$, $\times 2$, auto

Resp rate:

Measurement Range

Adult 10 ~ 120BrPM

Neonatal/Pediatric 10 ~ 150BrPM

Resolution: 1BrPM

Accuracy: 10 ~ 150BrPM (± 2 BrPM)

0 ~ 6BrPM (unspecified)

Apnea Alarm: 10 ~ 40s

IBP (optional)

EtCO₂ (optional)

System Inputs & Outputs

NIBP/SpO₂/Temp/ECG/IBP Sensor Sockets

RJ45 port

Standard Package

PM-7000D main unit

(12.1" screen)

NIBP cuff & tube

ECG cable & electrodes SpO₂

sensor

Lithium-ion battery

Optional Accessories

Touch screen

Trolley bracket

Hanging bracket

Monitor recorder

Vehicle-mounted power supply

Classification

Wuhan Zoncare Bio-medical Electronics Co., Ltd.

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PM-7000D

Multi-parameter Bed-side Patient Monitor

SFDA: Class IIb		
Anti-electroshock degree:	TEMP/SpO ₂ /NIBP:	BF
ClassI equipment	ECG/Resp:	CF
(Internal power supply)		
	Certificates	
	Quality	
	Standards	
	ISO9001	
	ISO13485	
	CMD	
	CM	
	C	
	CC	
	C	
	Design Standard	
	EN60601-1 and IEC60601-1	
	EN60601-1-1 and IEC60601-1-1	
	IEC60601-1-2 and IEC60601-1-4	
	EN60601-2-27 and EN60601-2-	
	30 EN12470 and IEC60601-2-49	
	CE Declaration	
	PM-7000D has been assessed with	
	respect to the conformity assessment	
	procedure described in Article 11.3.a	
	and Annex II excluding section 4	
	(Module H) of Council Directive	
	93/42/EEC on Medical Devices, as	
	amended, and found to comply.	

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