



MULTIPARAMETER PATIENT MONITOR

PM-P12A

OPTION

Multiparameter Patient Monitor

Thermal Recorder

- ECG, Nibp, Spo2
- Method: Thermal dot array- Paper
- width: 50 mm (1.97 in)
- Paper Speed: 12.5/25/50 (mm/sec)
- Traces Maximum: 3 tracks

IBP

- Label
ART, PA, CVP, RAP, LAP, ICP, P1, P2
- Measuring and alarm range
ART 0~300mmHg
PA -6~120mmHg
CVP/RAP/LAP/ICP -10~40mmHg
P1/P2 -10~300mmHg

EtCO2

- Method: Thermal dot array- Paper
- Range 0~19.7%(0-150 mmHg)
- Unit: %, mmHg: kP
- Respiration Rate Range 2~150 bpm

Rolling Stand



Wall Mount



TECHNICAL SPECIFICATIONS

Multiparameter Patient Monitor

Quality Standards and Classification

- SFDA: Class IIb
- Anti-electroshock degree:
Classlequipment
(internal power supply)
- TEMP/SpO₂/NIBP: BF
- ECG/Resp: CF

Application Range

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

Display

- 12.1" real color TFT screen

Environment

Operating Environment :

- Temperature: 0 ~ 40 °C
- Humidity: 15% ~ 80%
- Pressure: 86.0 kPa ~ 106.0kPa

Transport and Storage Environment :

- Temperature: -20 ~ 55 °C
- Humidity: 10% ~ 90%
- Pressure: 86.0 kPa ~ 106.0kPa

Power Requirements

- AC: 100 ~ 240V, 50Hz/60Hz
- DC: Built-in rechargeable battery
- Battery: 11.1V 24wh Li-ion battery
2h operating after full charge
5min operating after low battery alarm

Dimension and Weight

- Equipment:
340mm×245mm×134 mm(about);
2.798kg(about)
- Package :
380mm ×350 mm × 300mm(about);
4.598kg(about)

Date Storage

- Trend diagram/table: 720h
- NIBP review: 10000 events
- Wave review: 12h
- Alarm review: 200 alarm events
- Support drug concentration titration analysis

ST Segment

- ST Segment Range: -2.0mV ~ +2.0mV
- Accuracy: 0.02mV

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:
6.25mm/s, 12.5mm/s, 25mm/s,
50mm/s (error ≤ ± 10%)
- Bandwidth: Surgery 1 ~ 25 Hz
- Monitor 0.5 ~ 40 Hz
- Diagnostic 0.05 ~ 130 Hz
- Sensitivity: >200 μV P-P
- CMRR: ≥ 112dB
- Differential Input Impedance: >5M
- ohm Electrode Offset Potential: ±300mV
- Polarization Voltage: ≥ ± 500mV
- Input Impedance: ≥ 5 M
- Calibration Voltage: 1mV ± 5%

Trend Data Length

- School limit list: 400 groups
- Waveform playback : 6000 seconds
- Trend table : 7 days
- Trend graph : up to 7 days
- Alarm review : 60 groups

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
SYS 40 ~ 280mmHg
DIA 10 ~ 220mmHg
MEAN 20 ~ 240mmHg
Pediatric
SYS 40 ~ 220mmHg
DIA 10 ~ 160mmHg
MEAN 20 ~ 170mmHg
Neonatal
SYS 40 ~ 135mmHg
DIA 10 ~ 100mmHg
MEAN 20 ~ 110mmHg
- Static pressure measurement
- Range: 0 ~ 300mmHg
- Accuracy: ± 3mmHg
- Resolution: 1mmHg Accuracy:

- Max. Mean Error: ± 5mmHg
- Max. Standard Deviation: 8mmHg
- Overpressure protection:
- Adult 300mmHg
- Pediatric 240mmHg
- Neonatal 150mmHg

SpO₂

- Measurement range: 0 ~ 100%
- Resolution: 1%
- Accuracy: 70% ~ 100% ± 2%
40% ~ 69% ± 3%

Pulse Rate

- Measure/alarm range: 20 ~ 300bpm
- Resolution: 1bpm
- Accuracy: ± 3bpm

RESP

- Method: impedance between RA-LL
- Resp Impedance range: 0.3 ~ 3 Ω
- Base Impedance range: 200 Ω ~ 4000 Ω
- Bandwidth: 0.3 ~ 2.5Hz
- Gain: × 0.25, × 0.5, × 1, × 2, × 4
- Resp rate:
Measurement Range
Adult 0 ~ 120BrPM
Neonatal/Pediatric 0 ~ 150BrPM
- Resolution: 1BrPM
- Accuracy: 7 ~ 150BrPM (± 2BrPM)
0 ~ 6BrPM (unspecified)
- Apnea Alarm: 10 ~ 40s

TEMP

- Channel 2
- Measure & alarm range: 0 ~ 50 °C
- Resolution: 0.1 °C
- Accuracy (no sensor): ±0.1 °C (0~50 °C)

Standard Accessories

- NIBP cuff & tube
- ECG cable & electrodes
- SpO₂ sensor
- TEMP probe
- Lithium-ion battery
- Power cable
- Operator's manual

Optional

- Etco₂ (Optional)
- Dual IBP (Optional)
- Nellcor Spo₂ (Optional)
- Sunch Nibp (Optional)

Standard Accessories



- ✓ ECG Cable
- ✓ SpO2 sensor
- ✓ Temperature sensor
- ✓ Nibp cuff & tube
- ✓ Power cord
- ✓ Ground wire
- ✓ User Manual



Central Monitor System

Multiparameter Patient Monitor



WIFI with smart IT solutions

- Wireless integration with Central Monitoring Station
- Dynamic trends provide up to 240 hours of useful information for review
- 8 traces per monitor and 16 monitors on one screen
- View up to 64 maximum bed on one platform in real-time
- Review and manage patient data anytime and anywhere in and pre-hospita

Application

