SM-PM02 Vital Signs   Monitor

- **Built-in memory**, store up to 100 hours of patie SpO₂ and 500 groups of patient NIBP
- **Perfusion Index** (PI) measurement as blood perfusion indicator
- High brightness cold cathode fluorescent backlight **LCD +LED** display

- Advanced analog processing technology providing accurate measurement during low perfusion and movement situation
- Adjustable audible and visual **alarms**
- Built-in large capacity rechargeable lithium battery
- **5V DC power supply** for ambulance use

Model Configuration:

Config. S: SpO₂, Pulse Rate, Perfusion Index	Config. SN: SpO₂, Pulse Rate, NIBP, Perfusion Index
Optional Config. :	Nellcor SpO2 , Masimo SpO2
Optional Accessories:	Wall-mounting, Trolley, Neonatal /Pediatric Accessories

Performance Specifications

Dimension and Weight

- Dimension: 210mm*170mm*75mm
- Weight: 1kg (excluding accessories)

Power Supply

- Voltage: AC100~240V, 50/60HZ
- Adapter: Output 5VDC, 4A

Display

- LED + LCD
- LCD Size: 85mm * 30mm

Battery

- Type: Rechargeable lithium battery 3.7V/2200mAh
- Charge Cycle: ≥500 times
- Working time: 3 hours
- Optional large battery for 8-9 hours work

Alarm

- Level: Low, medium and high
- Indication: Auditory and visual
- Alarm volume adjustable

System Output

- Ethernet Network: standard RJ45 socket * 1
- USB Port * 1

Trend & Reviewing

- Trend: 100 hours of patient SpO2
- NIBP measurement reviewing: 500 groups

Safety

- IEC60601-1 Approved, CE marking according to MDD93/42/EEC
- With reference to RoHS Directive 2011/65/EU recasting

Operating Environment

- Temperature: 5~40 ℃
- Humidity: 15%~80% (non-condensing)
- Atmosphere pressure: 86 KPa~110 KPa

Transportation and Storage Environment

- Temperature: -20~50 ℃
- Humidity: 10%~90% (non-condensing)
- Atmosphere pressure: 86 KPa~110 KPa

SpO2

- Measurement Range: 0~100 %
- Resolution: 1 %
- Support Pitch tone and multi-level volume
- Accuracy: 80%~100%, ±2 % (adult)
  70%~80%, ±3% (adult)
  0%~69%, unspecified
- PI range: 0.075%-20%.

Pulse Rate

- Measuring and Alarm Range: 25~250bpm
- Accuracy: ±1% or ±1 bpm, whichever is greater
- Resolution: 1bpm

Nellcor SpO2 (Option)

- Measurement Range: 0~100 %
- Resolution: 1 %
- Accuracy: 70%~100%, ±2 % (adult)
  70%~100%, ±3 % (Neonate)
  70%~100%, ±2 % (Low Perfusion)
  0%~69%, unspecified

Pulse Rate

- Measurement range: 20~300 bpm
- Resolution: 1bpm
- Accuracy: ±3 bpm (20~250 bpm)
  Unspecified (251~300 bpm)

Masimo SpO2 (Option)

- Measurement Range: 0~100 %
- Resolution: 1 %
- PI range: 0.025-20%
- Accuracy:
  70%~100%, ±2 % (adult/ pediatric, non-motion conditions)
  70%~100%, ±3 % (neonate, non-motion conditions)
  70%~100%, ±3 % (motion conditions)
  0%~69% unspecified

Pulse Rate

- Measurement range: 25~240 bpm
- Resolution: 1bpm
- Accuracy: ±3 bpm (non-motion condition)

NIBP

- Method: Oscillometric
- Measure mode: Manual, Auto, STAT
- Measure Interval in AUTO Mode 1~480 min
- STAT mode cycle time: Keep 5 minutes, at 5 seconds interval
- Measure and Alarm Range:

  Adult: SYS: 30~270 mmHg
  DIA: 10~220 mmHg
  MEAN: 20~235 mmHg

  Pediatric: SYS: 40~235 mmHg
  DIA: 10~220 mmHg
  MEAN: 20~225 mmHg

  Neonate: SYS: 30~135 mmHg
  DIA: 10~110 mmHg
  MEAN: 20~125 mmHg

- Static pressure accuracy: ±3mmHg
- Resolution: 1mmHg
- Accuracy: Maximum Mean error ±5mmHg
  Maximum Standard deviation ≤8mmHg
- Over pressure Protection: Dual protection via software & hardware

Specifications subject to change without prior notice

Packing List:

Standard Packing List (*Config. S*):

1. Pulse Oximeter Main Unit * 1pc
2. Reusable adult SPO2 sensor with plug * 1pc
3. Rechargeable lithium battery * 1pc
4. Power Cord * 1pc
5. Grounding Cable * 1pc
6. User's Manual * 1pc

Standard Packing List (*Config. SN*):

1. Vital Signs Monitor Main Unit * 1pc
2. Reusable adult SPO2 sensor with plug * 1pc
3. NIBP hose (2M), with connector * 1pc
4. Adult NIBP cuff with connector * 1pc
5. Rechargeable lithium battery * 1pc
6. Power Cord * 1pc
7. Grounding Cable * 1pc
8. User's Manual * 1pc