



深圳市中豪生物电子有限公司
Sino-Hero(Shenzhen) Bio-Medical Electronics Co., LTD.

Me Transport Monitor



- Innovative Stand design working with EMS to deliver best care in any challenging, fast-paced environment
- Compact monitor with 3.5" Full-touch TFT-LCD display and automatic re-orientation feature
- Ergonomic handle with 12V DC power for fast ER and transport monitoring
- Various parameter configurations and wireless networking enable continuous multi-functional patient monitoring
- Lasting more than 60 minutes as independent monitor with built-in rechargeable Li-ion battery



www.sinoheromed.com

Size and Weight

- Size: 160mm×99mm×71mm
- Weight: < 1.2kg

Power supply

- Power Voltage: AC 100-240V 50/60Hz
- Safety class: Category I
- 12V DC input

Display

- 3.5" Color Anti-glare Full-touch TFT-LCD
- Resolution: 320×240pixels
- Built-in Gravity sensor

Battery

- Type: Rechargeable Lithium battery, 3.7V/1800mAh
- Operating time under the normal use and full charge: >60minutes

Alarm

- Level: Low, medium and high
- Indication: Auditory and visual
- Patient Physiological Alarm Light color: Yellow & Red
- Equipment Technical Alarm Light color: Blue

Input device

- Touch screen: Standard configuration
- Shortcut Keys: 5

Trend & Reviewing

- Trend: 8 hours power-off storage
- NIBP measurement reviewing: 400 groups

Environment

- Operating temperature: +5℃ to +40℃
- Storage temperature: -20℃ to +50℃
- Operating humidity: 15% to 85% (non condensing)
- Storage humidity: 10% to 93% (non condensing)
- Operating atmospheric pressure: 860hPa to 1060hPa
- Storage atmospheric pressure: 500hPa to 1060hPa

ECG

- Lead Mode: 3-leads ECG input
5-leads ECG input
12-leads ECG input
- Lead selection: I, II, III
I, II, III, aVR, aVL, aVF, V-
I, II, III, aVR, aVL, aVF, V1 ~ V6(option)
- Gain: 1.25mm/mV(×0.125), 2.5mm/mV(×0.25), 5mm/mV(×0.5),
10mm/mV(×1), 20mm/mV(×2), Auto
- CMRR: Monitor mode ≥ 105dB
Surgery mode ≥ 105dB
Diagnostic mode ≥ 90dB
- Frequency response(-3dB):
Monitor mode 0.5~40Hz
Surgery mode 1~25Hz
Diagnostic mode 0.05~150Hz
- Input impedance: ≥ 5.0Mohm
- ECG signal range: ±10.0mV
- Electrode offset potential: ±500mV
- Patient Leakage Current: <10uA
- Standardizing signal: 1mV±5%
- Baseline recovery: <3s after Defibrillation (Monitor mode)
<1s after Defibrillation (Surgery mode)
- Indication of electrode separation: Every electrode(exclusive of RL)
- Protection: Breakdown Voltage 4000AVC 50/60Hz; defibrillator proof
- Sweep speed: 12.5mm/s, 25mm/s, 50mm/s

HR

- Range: Adult 10~300bpm
Pediatric & Neonate: 10~350bpm
- Resolution: 1bpm
- Accuracy: ±1% or ±1bpm, whichever is greater

ST segment

- Measurement range: -2.0mV~2.0mV
- Accuracy: -0.8mV~0.8mV: ±0.02mV or ±10% whichever is greater
Over ±0.8mV: unspecified
- Resolution: 0.01mV

RESP

- Method: Thoracic impedance
- Lead Selected from: I (RA-LA) or II (RA-LL); Default: II
- Gain: ×0.25, ×1, ×2, ×4
- Bandwidth: 0.25Hz to 2.0Hz (-3dB)
- Sweep Speed: 6.25mm/s, 12.5mm/s, 25mm/s
- Measurement Range: 0~150 rpm
- Resolution: 1rpm
- Accuracy: ±2rpm or 2% whichever is greater
- Delay of Apnea Alarm: off, 10s, 15s, 25s, 30s, 35s, 40s, 45s, 50s, 55s, 60s

NIBP

- Way of measurement: Automatic oscillometry
- Range of measurement:
Adult: SYS 30~270mmHg
DIA 10~220mmHg
MAP 20~235mmHg

Standard configuration of Me:

3/5 Lead ECG, SpO2, RESP, HR/PR, 2-TEMP, Rechargeable Lithium Battery

Optional configuration of Me:

Nellcor SpO2, Masimo SpO2, 2-IBP, 12 Lead ECG, EMS Charging Stand
Wireless modular

Child: SYS 30~235mmHg
DIA 10~220mmHg
MAP 20~225mmHg

Neonate: SYS 30~135mmHg
DIA 10~100mmHg
MAP 20~125mmHg

- Cuff pressure range: 0~300mmHg
- Resolution: 1mmHg
- Pressure Accuracy: Static: ±2% or ±3mmHg, whichever is greater
Clinical: ±5mmHg average error
Standard deviation: <8mmHg
- Unit: mmHg, kPa
- Measurement mode: Manual, Auto, STAT
- Intervals for AUTO measurement time: 1, 2, 3, 4, 5, 10, 15, 30, 60, 90 minutes;
2, 4, 8, 12 hours
- STAT mode cycle time: keep 5 minutes, at 5 seconds interval.
- Overpressure Protection: Hardware and software double protections
- Pulse rate range: 40~240bpm

Digital SpO2

- Measurement Range: 0~100%
- Resolution: 1%
- Accuracy: At70~100%, ±2%
At0~69%, unspecified

PR

- Measurement Range: 25~255bpm
- Resolution: 1bpm
- Accuracy: ±1% or ±1bpm, whichever is greater

Nellcor SpO2

- Measurement Range: 0~100%
- Resolution: 1%
- Accuracy: At70~100%, ±2% (Adult)
At70~100%, ±3% (Neonate)
At70~100%, ±2% (Low Perfusion)
At0~69%, unspecified

PR

- Measurement Range: 20~300bpm
- Resolution: 1bpm
- Accuracy: 20bpm to 250bpm: ±3bpm
251bpm to 300bpm: unspecified

Masimo SpO2

- Measurement Range: 0% to 100%
- Resolution: 1%
- Accuracy: 70% to 100%: ±2% (adult/pediatric, non-motion conditions)
70% to 100%: ±3% (neonate, non-motion conditions)
70% to 100%: ±3% (motion conditions)
0% to 69%, unspecified
- Average time: 2-4s, 4-6s, 8s, 10s, 12s, 14s, 16s

PR

- Measurement Range: 25bpm to 240bpm
- Accuracy: ±3bpm (non-motion conditions)
±5bpm (motion conditions)
- Resolution: 1bpm

TEMP

- Measurement way: Thermal resistance
- Measurement Range: 0.0℃~50.0℃ (32℉~122℉)
- Accuracy: ±0.1℃ or ±1℉ (exclusive of probe)
- Resolution: 0.1℃ or 1℉
- Unit: Celsius(℃), Fahrenheit(℉)

IBP

- Max Channel: 2
- Measurement way: Directly invasive pressure measurement
- Sensitivity of transducer: 5uVM mmHg
- Impedance of transducer: ±2%, 300 to 3000Ω
- Measurement Range: -50 to +350mmHg
- Resolution: 1mmHg
- Unit: mmHg, kpa, cmH2O
- Accuracy:
Static: ±1mmHg or ±2%, whichever is grater(exclusive of transducer)
±4mmHg or ±4%, whichever is grater(inclusion of transducer)
Dynamic: ±4mmHg or 4%, whichever is grater
- Transducer sites: Arterial Pressure (ART)
Pulmonary Artery Pressure (PA)
Left Atrium Pressure (LAP)
Right Atrium Pressure (RAP)
Central Venous Pressure (CVP)
Intracranial Pressure (ICP)
- Selection of measurement range:
ART: 0 ~ +350mmHg
PA: -10 ~ +120mmHg
CVP/RAP/LAP/ICP: -10 ~ +40mmHg



Specification subject to be changed without prior notice.

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