touching for life

Portable Patient Monitor

12.1"
HD

FULL TOUCH

LI-ION BATTERY



S12

- FULL TOUCH 12.1" TFT display, High definition display 1024 * 768
- Ultra simplified and friendly operation flow
- Pitch tone to provide audibly recongnized SpO2
- Most Popular Basic 5 parameters (ECG, RESP, NIBP, SpO2, TEMP) to reach general clinical needs
- Arrhythmia and ST analysis to provide rapid cardiac diagnosis
- Up to 4-hours long battery working time

CE 0123

SINOHERO

Technical Specification

S12

Size and Weight

- Size: 318mm×264mm×152mm
- Weight: 4.5kg

Power Supply

- Power Voltage: AC 100-240V 50/60Hz
- Power Input: ≦85VA
- Safety class: Category I

Display

- FULL TOUCH 12.1″ Color TFT display
- Resolution: 1024x768 pixels or higher

Battery

- Type: Rechargeable Lithium battery
- Operating time under the normal use and full charge: ≧240minutes

Alarm

- Three Levels: Low, medium and high
- Indication: Auditory and visual
- Setup: Default and custom
- Silence: All alarm can be silenced
- Volume: 45-85 dB measured at 1 meter

Storage & Reviewing

- Trend: 480-hour tabular and graphic trends & data storage
- NIBP: ≥2400 groups NIBP measurement data

ECG

- Lead mode: 5-lead or 3-lead selectable

- Leda selection: Ⅰ;Ⅱ;Ⅲ;avR;avL;avF;Vx;CAL
- Sweep speed: 12.5mm/s,25mm/s,50mm/s
- Accuracy: ±1bpm or ±1%,whichever is greater

- Heart beat range: Adult:15~300bpm
  Pediatric/Neonatal:15~350 bpm

HR

- Range: Adult 10~300bpm
  Pediatric & Neonate: 10~350bpm
- Refreshing time: ≤50 bpm Per2 pulses
  50~120bpm per 4 pulses
  ≧120bpm per 6 pulses
- Resolution:1bpm
- Accuracy: ±1% or ±1 bpm,whichever is greater

ST segment

- Measurement range: -2.0mV~2.0mV
- Resolution:0.01mV

RESP

- Principle: Impedance Breathing
- Range：0~120RPM
- Choking alarm：20s~60s optional，internval 5s

NIBP

- Principle: Oscillatio
- Measurement mode: Manul/Auto/Continuous
- Pressure unit：mmHg/Kpa
- Measurement parameter：systolic, diastolic, mean
- Systolic range：ADU 40~270mmHg，PED：40~200mmHg；NEO：40~135mmHg
- Diastolic range：ADU：10~210mmHg；PED：10~150mmHg；NEO：10~100mmHg
- Mean range：ADU：20~230mmHg；PED：20~165mmHg；NEO：20~110mmHg
- Accuracy：±3mmHg
- Double overvoltage protection

Standard SpO2

- SpO2：range（0~100%）；Resolution（1%）；
- Accuracy：±2%（70~100%）；
- PR：range（20~254BPM）,accurate（±2BPM）

TEMP

- Measurement Range: 0℃~50.0℃
- Accuracy: ±0.1℃ (exclusive of probe)
- Unit: Celsius(℃),Fahrenheit(℉)
- Connecting cable: Compatible with YSI-400 serial

IBP

- IBP range：-50~400mmHg；accuracy：±3mmHg（0~40mmHg）
- Supports multiple measurement modes：ABP、CVP、ICP、LAP and so on
- Pulse rate range：20~254BPM，Accurate：±2RPM
- Support dual-channel IBP simultaneous measurement

CO2

- CO2 range：0~150mmHg；accuracy：±2mmHg（0~40mmHg），±5%(41~100mmHg)，±8%（101~150mmHg）
- Respiratory rate range：0~150RPM；Accuracy：±2RPM
- Sampling flow：50ml/Min
- Applicable to ADU, PED, and NEO

AG gas

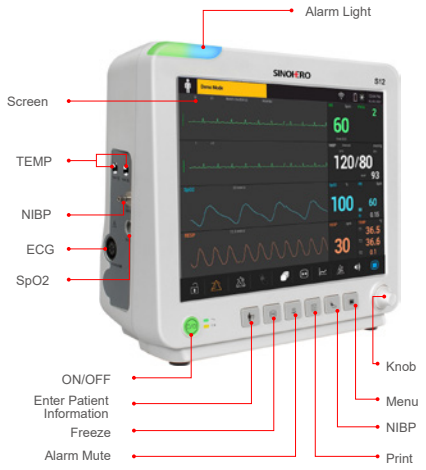
- Mode：Main stream/side stream
- ISO：range：0-5% accuracy：0.15Vol%+ reading 5%
- SEV：range：0-8% accuracy：0.15xVol%+reading 5%
- CO2：range：0-20% accuracty：0.20Vol%+ reading 5%（0~5%），0.20Vol%+ reading 8%（5.1~20%）
- RESP：range：0~120RPM，accuracy：±2RPM
- Anesthetic gas ID automatic identification
- Automatic recognition time is less than 20s
- Sampling flow：50ml/Min

Standard configuration of S12

3/5 Lead ECG, PR/HR, RESP, SpO2, NIBP, 2-TEMP, Li-ion Battery

Optional configuration of S12

2-IBP, EtCO2 (Sidestream, Mainstream), VGA, AG, 12.1" TFT-LCD Full Touch Screen, Masimo SpO2, 2-TEMP





Specification subject to be changed without prior notice.

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