

M8000

Multi-Parameter Patient Monitor



- ⊗ 10.4" TFT LCD display , high resolution.
- ⊗ Portable design, stylish and convenient
- ⊗ Store & review 1000 pieces of alarm events

General:**Size and Weight**

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

Display

- 10.4" Color TFT-LCD
- Resolution 800×600 pixels or higher

Power supply

- Power Voltage AC 100-240V 50/60Hz
- Power Input ≤85VA
- Fuse: T1.6AL/250V, Φ 5×2.0 (mm)
- Safety class: Category I

Battery

- Type : Rechargeable Sealed Lead Acid cell, 12V/2.0AH
- Charge time: ≤10 hours (2 batteries for 20 hours)
- Operating time under the normal use and full charge:
 - ≥60 minutes (2 batteries for 120 minutes)
- Operating time after the first alarm if low battery: 5-15 minutes

Thermal Recorder (Option)

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

System output

- Ethernet Network standard RJ45 socket
- RF Wireless LAN: 433 MHz, 10mW (option)
- Defibrillation Output: Option
- Video Output: Option

Alarm

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

Trend

- Store & review 120 hours trend data and trend maps
- Parameter option: HR, SpO2, NIBP, PR, Resp, CO2, Temp1, Temp2, IBP1, IBP2, ST.
- Cycle intervals of trend storage 1 min, 2min, 3min, 4min, 5min, 10min, 15min, 20min, 25min, 30min.

Store & Reviewing

- ECG : 10 minutes one important lead's ECG waveform
- Alarm : 1000 groups Alarm events reviewing
- NIBP : 750 groups NIBP measurement
- Arrhythmia : 128 groups data (8 seconds ECG waveforms)

Environment

- Working temperature: 0~+40℃
- Transportation and storage temperature: 20~+55℃
- Relative humidity: Working ≤85%
 - Transportation and storage ≤93%
- Atmospheric pressure: Working 860~1060 hPa
 - Transportation and storage 500~1060 hPa

Standard Configuration

ECG,HR,RESP,NIBP,SPO2,PR,TEMP,Battery

Option

2-TEMP, 2-IBP, Recorder, EtCO2 (side stream, main stream), Nellcor SpO2, ICG

Performance:**ECG**

- Mode: 5-leads (standard); 3-leads or 12-leads (option)
- Lead selection: I, II, III, aVR, aVL, aVF
- Gain: AUTO, 0.25x, 0.5x, 1.0x, 2.0x, 4.0x
- Insulation Breakdown Voltage 4000VAC 50/60Hz
- Sweep speed 12.5mm/s, 25mm/s, 50mm/s
- HR Range: 10~300 bpm
- HR Accuracy $\pm 1\%$ or ± 1 bpm, whichever is greater

ST segment

- Measurement Range -2.0mV~2.0mV
- Resolution 0.01mV

RESP

- Method: Impedance variation between RA-LL (R-F)
- Measurement Range: 0~150 rpm
- Accuracy: ± 2 rpm
- Gain: x1, x2, x4
- Sweep speed 6.25mm/s, 12.5mm/s, 25mm/s

TEMP

- Measurement Range: 25.0~50.0℃
- Unit: Celsius (℃), Fahrenheit (F)
- Accuracy: ± 0.1 ℃ (exclusive of probe)
- Connecting cable: Compatible with YSI-400

BLT-SpO2

- Measurement Range 0~100%
- Accuracy At 70~100%, $\pm 2\%$
- At 0~69%, unspecified
- PR Range 25~250 bpm
- PR Accuracy $\pm 1\%$ or ± 1 bpm, whichever is greater

NIBP

- Technique: Automatic oscillometry
- Range: Adult: 10~270 mmHg
 - Child: 10~235 mmHg
 - Neonate: 10~135 mmHg
- Accuracy: Static $\pm 2\%$ or ± 3 mmHg, whichever is greater
- Unit: mmHg, kPa
- Pulse rate range: 40~240 bpm
- Intervals for AUTO measurement: 1, 2, 3, 4, 5, 10, 15, 20, 30, 45, 60, 90 minutes 2, 4, 8 hours

IBP (option)

- Channel : 2
- Measurement Range: -50~+300 mmHg
- Unit: mmHg, kPa
- Accuracy: ± 2 mmHg or 2%, whichever is greater

EtCO2 (option, Sidestream, LoFlo)

- Range 0~19.7% (0~150 mmHg)
- Unit: %, mmHg, kPa
- Respiration Rate Range 2~150 bpm

EtCO2 (option, Mainstream, CAPNOSTAT5)

- Range 0~19.7% (0~150 mmHg)
- Unit: %, mmHg, kPa
- Respiration Rate Range 0~150 bpm

