

M850

Handheld Monitor



Parameter: Standard: ECG, RR
Optional: SpO2, PR

- Portable, easy to carry
- 4.3" color TFT display with auto rotation function
- Selectable 3-lead and 5-lead for ECG measurement
- Selectable layout modes including font and waveforms
- Dual work modes: continuous monitoring & spot check
- Adjustable audio and visual alarms
- Large data storage capacity up to 500 groups per ID
- Lithium battery support more than 28 hours continuous working
- Automatic power-off function for power saving
- Suitable for adult, pediatric and neonate
- Apply to hospital and clinic





M850 Handheld Monitor

TECHNICAL SPECIFICATION

Physical Specifications

Mainframe weight: 350g (full configuration, including the batteries)

Mainframe size: 142mm(W)×78mm(H)×36mm(D)

Environmental Specifications

- Temperature: Operating: 5°C to +40°C
Storage: -20°C to +55°C
- Atmospheric Pressure: Operating: 860hPa to 1060hPa
Storage: 500hPa to 1060hPa
- Humidity: Operating: 15% to 85%(non condensing)
Storage: less than 93%(non condensing)

Charging Specifications

- Power adapter Input: AC 100 ~ 240V
- Output: DC 5V/2A
- Type: Built-in lithium battery
- Voltage: 3.7V
- capacity: 4800mAh
- Charging time: 3 hours to 90%, 4 hours to 100%
- Run time: >28h

Display

Size: 4.3"

Resolution: 480*272

Indicating Lamp

Alarm indicating: 1(Yellow/Red), on the top of screen.

Battery charging indicating lamp: 1(orange)

When charged, it lights orange.

When fully charged or not charged, it doesn't light

Data Storage

Displaying way: Trend tabular

Trend interval: 10s, 30s, 1min, 2min, 5min, 10min

Capacity: 1 ~ 96 patient ID,

500 groups/patient(only data)

Standard Configuration: ECG,RR

Optional Configuration: BLT SpO₂, Nellcor SpO₂, PR

ECG Specifications

Lead type: 3-lead /5-lead

Gain: 2.5mm/mV, 5mm/mV, 10mm/mV

Input impedance: $\geq 5.0M\Omega$

Leakage current: <10 uA

Baseline recovery: $\leq 10s$

CMRR: $\geq 89dB$

Leakage Current: <10 uA

Frequency response: 0.5Hz-40Hz

Electrode offset potential: $\pm 500mV$ d.c.

Defibrillator-proof

Electrode off indicating: with(except RL)

Pacemaker pulse symbol: With

HR

HR range: Adult: 10 bpm -300 bpm

Pediatric and Neonatal: 10 bpm -350 bpm

HR Resolution: 1 bpm

HR Accuracy: $\pm 1\%$ or ± 1 bpm, whichever is the greater

RR

Measurement range: 0~150 rpm, the high/low limit can be adjusted

Resolution: 1 rpm

Accuracy : ± 2 rpm or $\pm 2\%$ of reading, whichever is greater.

BLT SpO₂ (Optional)

Measurement range: 0~100%

Resolution: 1%

Accuracy: Clinical 70~100%: $\leq 3\%$ (SpO₂ probe included in Appendix);

0% to 69%: unspecified

Simulator measurement error: 70% to 100%: $\pm 2\%$, 0%

to 69% unspecified

Refreshing rate: 13s

Pitch Tone: with

Nellcor SpO₂ (Optional)

Measurement range: 0~100%

Resolution: 1%

Accuracy: 70~100%: $\pm 2\%$ (adult/pediatric) , 70~100%: $\pm 3\%$ (neonate),

0% to 69%: unspecified

Refreshing rate: 7s

Pitch Tone: with

PR (Optional)

Measurement range: 25 bpm ~250 bpm

Resolution: 1 bpm

Accuracy: $\pm 1\%$ or ± 1 bpm, whichever is the greater



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*Specifications subject to change without prior notice.

M850-2024-July-Eng-V1.0; Date: Jul. 2024