

VITAL SIGNS MONITOR - E8

- E8 Vital Sign Monitor adopts Oscillometry for NIBP measuring, Photoelectric Oxyhemoglobin Inspection Technology combining Capacity Pulse Scanning & Recording Technology for SpO2 measuring.
- Systolic Pressure(SYS), Diastolic Pressure(DIA), Mean Pressure(MAP), SpO2 and Pulse rate(PR) can be accurately measured.
- Compact appearance, comprehensive functions, simple and convenient operation, which is applicable for hospitals, community medical treatment and family.

Main Features:

- Display with 2.4" (320×240) color TFT LCD and highlight Red Color LED.
- Be applicable for adult, pediatric for all-round monitoring, easy operation and high cost performance.
- High capacity lithium rechargeable batteries, operation time up to 2 hours.
- Spot check and continuous working mode to satisfy different clinical scenario.
- 1.5m anti-drop proof makes it suitable for emergency.
- High capacity internal storage for up to 600 groups of data.
- Visual and audible alarm for Systolic Pressure(SYS), Diastolic Pressure(DIA), Mean Pressure(MAP), SpO2 and Pulse rate(PR), and upper and lower limit of alarm can be set.
- Convenient and quick in inquiring measurement data, review for NIBP trend graph within 24-hour and SpO2 and Pulse rate(PR) trend graph within 20-hour.



E8 Specifications

Physical Specification

Display: LED+ 2.4" LCD
(320*240dpi)

Power Supply

Internal battery: Rechargeable Li-ion
2hours

Pulse Rate

Measure/alarm range: 20 ~ 300bpm
Resolution: 1bpm Accuracy: ± 3 bpm

NIBP

Method : Oscillometric Mode: Manual, Auto
Measuring interval in auto mode: 1 -480 minutes
Pulse Rate Range: 30-240bpm Measuring range:

Adult Mode

SYS 40-280mmHg

DIA 10-220mmHg

MEAN 20-170mmHg

Pediatric Mode

SYS 40-220mmHg

DIA 10-160mmHg

MEAN 20-165mmHg

Resolution: 1mmHg

Precision:

Max average error: ± 5 mmHg

Max standard error: 8mmHg

Overpressure Protection

Adult 290mmHg

Child 240mmHg

SpO2

Measuring range: 0-100%

Resolution: 1%

Precision:

Adult/Pediatric 70%-100% $\pm 2\%$

Neonatal 70%-100% $\pm 3\%$

Pulse Rate:

Measuring Range: 30-240bpm

Resolution: 1 bpm

Accuracy:

the bigger one between $\pm 3\%$ or ± 3 bpm

PI function

Optional: Temperature(Skin)

Measuring and Alarm Range: 0-50 °C

Resolution: 0.1°C

Accuracy: ± 0.1 °C(25~45°C)

Actualization interval: 1 second

Average Time Constant: ≤ 10 second

Environment

Precision:

The bigger one between ± 2 rpm or $\pm 2\%$

Alarm: Audio and visual

Operating environment :

Temperature: 5 ~ 40

Humidity: 15% ~ 80%

Pressure: 86.0 kPa ~ 106.0kPa

Transport and Storage environment :

Temperature: -20 ~ 55

Humidity: 10% ~ 90%

Pressure: 86.0 kPa ~ 106.0kPa



Configuration Option	SPO2	NIBP	TEMP(Skin) TEMP(Infrared)
(NIBP+SPO2+TEMP)	✓	✓	✓