

Pre-op/post-op vital signs monitor



The accurate, cost-effective DRE Echo vital signs monitor is available in configurations with your choice of SpO₂, NIBP and Temperature. The portable monitor has multi-parameter functionality suited for out-patient care and doctor's offices.

5.7" high resolution display for easy reading.

Lightweight, portable design and user-friendly interface for easy operation.

Flexible configurations that can meet a variety of clinical needs.

Optional thermometer for obtaining temperature in approximately 15 seconds.

PR measurement (from SpO₂ and NIBP).

Built-in rechargeable Lithium-ion battery for 10 hours of continuous use.

Real-time parameter measurement display with trend table for quick reviewing.

Powerful storage capacity.

Bi-directional communications with central station via wired or wireless network.

Suitable for adult, pediatric and neonatal patients.



Quick, accurate and easy to use



Powerful storage capacity options:
*72 hours trend review of parameters,
30,000-set NIBP review, 800-item
alarm review and USB data storage*



**Real-time data or USB data can
be transferred to a PC through
PC management software
for reviewing and printing**

Technical Specifications

Classification

- » Anti-electroshock type Class I equipment and internal powered equipment
- » EMC type Class A
- » Anti-electroshock degree
- » SpO₂, NIBP: BF Defibrillation type;
- » TEMP: CF type
- » Ingress Protection IPX1 (W/O Temp module); IPX1 (with Temp module)

Specifications

Size and Weight

Size: 200.8 mm (L) x 241 mm (H) x 189 mm (D)
Weight: 3 kg

Display

5.7", LCD
Color TFT resolution: 640X480

Power Supply

100 - 240 VAC, 50/60HZ
Pmax=70VA FUSE T 1.6AL

Battery

Type: Lithium-ion
Voltage: 14.8 V DC Capacitance: 4,400 mAh
Working period Color TFT: 480min
Rechargeable period < 360min

Recorder (Optional)

Record Width: 48 mm
Paper Speed: 25mm/s

NIBP (Option)

Method: Oscillometric
Mode: Manual, Auto, Continuous
Measuring Interval in AUTO Mode
1/2/3/4/5/10/15/30/60/90/120/
240/480 Min
Continuous: 5min, interval is 5s
Measuring Type: Systolic Pressure,
Diastolic Pressure, Mean Pressure

Measuring Range

Adult Mode

- » SYS: 40~270mmHg
- » DIA: 10~215mmHg
- » MAP: 20~235mmHg

Pediatric Mode

- » SYS: 40~200mmHg
- » DIA: 10~150mmHg
- » MAP: 20~165mmHg

Neonatal Mode

- » SYS: 40~135mmHg
- » DIA: 10~100mmHg
- » MAP: 20~110mmHg

Cuff Pressure measuring Range: 0~290mmHg
Pressure Resolution: 1mmHg
Maximum mean error: 5mmHg
Maximum Standard deviation: 8mmHg

NIBP (Option) continued

Entire Measuring Period: 30~45s typical
(depends on HR/motion disturbance)

Dual Overpressure Protection

- » Adult: 297±3mmHg
- » Pediatric: 240±3mmHg
- » Neonatal: 145±3mmHg

PR

- » Measuring Range: 40~240bpm
- » Resolution: 1 bpm
- » Accuracy: 3 bpm or 3.5% of the maximum

IEC 60601-2-30

SpO₂ (Option)

Measuring Range: 0 ~ 100 %
Alarm Range: 0 ~ 100 %
Resolution: 1 %

Accuracy

Adult (including Pediatric):

- » 2% (70%~100% SpO₂)
- » Undefined (0~70% SpO₂)

Neonate

- » 3% (70%~100% SpO₂)
- » Undefined (0~70% SpO₂)

Pulse Rate

- » Measuring and Alarm Range: 30 ~ 300bpm
- » Resolution: 1bpm
- » Accuracy: 3bpm
- » Data update period: 2s

ISO 9919

Configurations

- » with SpO₂
- » with NIBP
- » with NIBP and Temperature
- » with SpO₂ and NIBP
- » with SpO₂, NIBP and Temperature

SpO₂ (Option, by Nellcor OxiMax)

Measuring Range: 1 ~ 100 %
Alarm Range: 1 ~ 100 %
Resolution: 1 %

Accuracy

Adult (including pediatric)

- » ±2% (70%~100% SpO₂)
- » Undefined: (0~70% SpO₂)

Neonate:

- » ±3% (70%~100% SpO₂)
- » Undefined: (0~70% SpO₂)

Pulse Rate

- » Measuring and Alarm Range: 20~300bpm
- » Resolution: 1 bpm
- » Accuracy: 3 bpm

Temperature

Measuring Range: 25 ~ 45

Probe Type

- » Oral/Auxiliary sensor
- » Rectal sensor

Resolution: 0.1

Accuracy Monitor mode: 0.1

Typical measurement time: <15s

Update time: 1s ~ 2s

IEC 12470-4

Specifications subject to change without notice.

