



COVIDIEN

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Nellcor™

Bedside SpO₂ Patient Monitoring System

SIMPLE SET UP AND MAINTENANCE

The Nellcor™ Bedside SpO₂ Patient Monitoring System allows the hospital's biomedical engineers and technicians to simply and effectively set institutional defaults as well as easily replace the battery, perform diagnostics to troubleshoot performance issues and generally maintain the monitor within the hospital. Additionally, the new system meets medical electrical equipment standards and is RoHS compliant.

NELLCOR BEDSIDE SPO₂ PATIENT MONITORING SYSTEM OXIMETER FEATURES

- Simple, intuitive operation and space-saving design.
- Distinctive digital signal processing technology from Covidien.
- Variable pitch beep tone which enables clinicians to hear point-by-point changes in SpO₂.
- Five-hour battery life with an optional ten-hour battery.
- 96-hour trend memory captured every four seconds.
- Patient trend data can be stored on a PC for archive and analysis.
- Easy-to-use jog dial for simple navigation and control of the display and monitoring system functions.
- Compact, portable, lightweight, durable, easy-to-transport design with a built-in handle.
- Multiple-language graphical user interface.
- Capable of displaying plethysmographic waveforms, pulse amplitude, and current measured SpO₂ and pulse rate.
- Multicolor display screen with a black background which provides ideal contrast.
- Back-up audible alarm.
- On-screen help messages to assist the user in the use of the monitor.

MONITOR WITH CONFIDENCE

The Nellcor™ Bedside SpO₂ Patient Monitoring System incorporates the latest Nellcor digital signal processing technology for accurate, reliable readings even during low perfusion and other forms of signal interference, providing clinicians with access to the most critical information regarding their patients' respiratory status. With improved functionality, including continuous SpO₂ and pulse rate monitoring, trending data and SatSeconds alarm management, clinicians can feel confident in the ability to detect respiratory complications earlier and intervene sooner.

Compact. Affordable. Intuitive. The Nellcor Bedside SpO₂ Patient Monitoring System offers a compact, bedside design with improved functionality, built in handle and an intuitive, easy-to-use and easy-to-read, color user interface, making it simpler for clinicians to review and download critical patient data. Save time and space with this easy-to-use patient monitoring system.

FEATURES AND SPECIFICATIONS

Performance

Measurement Range

SpO₂: 1% to 100%

Pulse rate: 20 to 250 beats per minute (bpm)

Pulse amplitude: 0.03% to 20%

Accuracy

Saturation (% SpO₂ ± 1 SD)

Adult: 70% to 100% ± 2 digits

60% to 80% ± 3 digits

Neonate: 70% to 100% ± 3 digits

60% to 80% ± 4 digits

Low perfusion: 70% to 100% ± 2 digits

Pulse rate: 20 to 250 bpm ± 3 digits

Low perfusion: 20 to 250 bpm ± 3 digits

Electrical

Instrument

Power requirements: 100 to 240 VAC, 50/60Hz, 45 VA

Fuse rating: Fast-acting 2A 32VAC/DC, Fast-acting 500mA 32VAC/50DC

Battery

Type: Li-Ion

Battery capacity: Minimum of 5 hours using new, fully charged battery with no alarms

Environmental

Operating Temperature

Instrument: 5°C to 40°C (41°F to 104°F)

Transport/Storage Temperature (in shipping carton):

-20°C to 60°C (-4°F to 140°F)

Operating Humidity

15% to 93% noncondensing

Operating Altitude

-170 m to 4877 m (-557 ft to 16,000 ft)

Physical Characteristics

Weight

1.6 kg (3.5 lbs)

Size

82 H x 255 W x 165 D (mm)

(3.23 H x 10.04 W x 6.50 D (in))

Equipment Compliance

Standards Compliance

EN ISO 9919:2009, EN ISO 80601-2-61:2011

EN IEC 60601-1:2005

EN IEC 60601-1-2:2nd edition

EN IEC 60601-1:1998 + A1:1991 + A2:1995

EN 60601-1:1990 + A11:1993 + A12:1993 + A13:1996

CAN/CSA C22.2 No. 601.1 M90

UL 60601-1: 1st edition

Equipment Classifications

Type of protection against electric shock: Class 1 (internally powered)

Degree of protection against electric shock: Type BF - Applied part

Mode of operation: Continuous

Electromagnetic compatibility: IEC 60601-1-2:2007

Liquid ingress: IPX2

Degree of safety: Not suitable for use in the presence of flammable anesthetics

Output

- Trend data download
- Nurse call capability

Display/Indicators

Pulse amplitude indicator (8-segments)

Visual indicators: Pulse search, audible alarms silenced or off, interference indicator, battery charging, and SatSeconds alarm management clock, Pleth

Alarms

Audible and visual alarms for high/low saturation and pulse rate

SatSeconds Alarm Management settings: 10, 25, 50 and 100, or OFF

Audible and visual warning indicators for low battery and sensor off

Audible and visual sensor disconnect alarms

Optional Accessories

- Mounting adapter
- Interface cables
- 10 hour battery



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