



COVIDIEN

positive results for life™

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
SpO ₂ : 1% to 100%
Pulse rate: 20 to 250 beats per minute (bpm)
Pulse amplitude: 0.03% to 20%
ACCURACY
Saturation (% SpO ₂ ± 1 SD)
Adult: 70% to 100% ± 2 digits
Neonate: 70% to 100% ± 3 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	
ORDERING INFORMATION	
Description	Catalog No.
Nellcor Bedside SpO ₂ Patient Monitor with Power Cable	10005941SG



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