MONITOR WITH **CONFIDENCE**

Nellcor™ Bedside SpO_2 Patient Monitoring System, PM100N

Accuracy

Designed to accurately assess patient pulse rate and SpO_2 vital signs.

Motion Tolerance

Motion-tolerant pulse oximeter that is also compliant with ISO 80601-2-61.

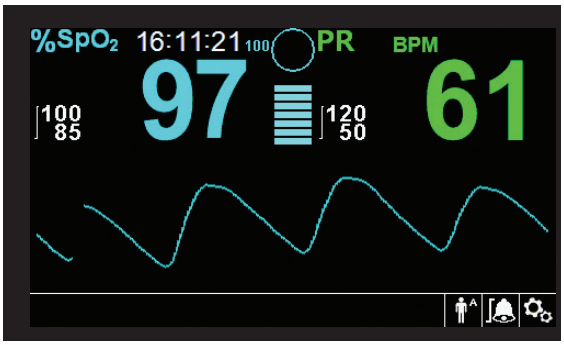
Flexible. Affordable. Intuitive

- Displays real-time SpO_2 and pulse rate measurements, plethysmographic waveforms and pulse amplitude
- Nellcor™ SatSeconds alarm management
- Sleep Study mode
- Homecare mode
- Adult, pediatric and neonate modes
- Intuitive, easy-to-read, color, multiple-language user interface with on-screen help messages
- Easy-to-use interface
- Compact, portable, durable design with built-in handle
- Variable pitch beep tone for point-by-point differentiation in SpO_2
- 96-hour trend memory

The Nellcor™ Bedside SpO_2 Patient Monitoring System

- Incorporates the latest Nellcor™ digital signal processing technology
- Provides clinicians with real-time information regarding their patients' respiratory status, including continuous SpO_2 and pulse rate monitoring and trending data
- Includes SatSeconds alarm management, a clinician-controlled feature that can distinguish between real, clinically significant events and transient events by taking into account both the severity and the duration of any desaturation event
- Homecare and sleep study modes may be set by clinicians to minimize alarm disturbance

With the Nellcor™ bedside SpO_2 patient monitoring system clinicians can feel confident in their ability to detect respiratory complications.



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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%

Measurement Accuracy

Saturation

Adult	70% to 100% ± 2 digits
Adult and neonate low sat	60% to 80% ± 3 digits
Neonate	70% to 100% ± 2 digits
Low perfusion	70% to 100% ± 2 digits
Adult and neonate with motion	70% to 100% ± 3 digits
Pulse rate	
Adult and neonate	20 to 250 bpm ± 3 digits
Low perfusion	20 to 250 bpm ± 3 digits
Adult and neonate with motion	20 to 250 bpm ± 5 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	Lithium ion
Battery capacity	Minimum of five hours using new, fully charged battery with no alarms; optional 10-hour battery

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	1.5 kg (3 lbs)
Size	82 H x 255 W x 155 D (mm), 3.23 H x 10.04 W x 6.10 D (in)

Equipment Compliance

Standards Compliance

- IEC 60601-1:2005+A1:2012, EN 60601-1:2006/AC:2010
- IEC 60601-1:1998 + A1:1991 +A2:1995, EN 60601-1:1990 +A11:1993 +A12:1993 +A13:1996
- IEC 60601-1-2:2007, EN60601-1-2:2007
- IEC 60601-1-6:2010, EN 60601-1-6:2010 +A1:2013
- IEC 60601-1-8:2006, EN 60601-1-8:2006 +A1:2012
- IEC 60601-1-11:2010, EN 60601-1-11:2010
- ISO 9919:2005, EN ISO 9919:2009
- ISO 80601-2-61:2011, EN ISO 80601-2-61:2011
- CAN/CSA C22.2 No. 601.1 M90
- UL 60601-1: 1st edition
- 802.11 B/G/N WLAN connectivity

Equipment Classifications

- Type of protection against electric shock: Class 2 (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: IP 22
- Degree of safety: Not suitable for use in the presence of flammable anesthetics

Output

- Trend data download via wired or USB for archiving or data analysis

Display/Indicators

- Pulse amplitude indicator (eight segments)
- Visual indicators: Pulse search, audible alarms silenced or off, interference indicator, battery charging, and SatSeconds alarm management clock, pleth wave form

Alarms

- SatSeconds alarm management
- Audible and visual alarms for high/low saturation and pulse rate, low battery, sensor off, and sensor disconnect
- Categories: Patient status and system status
- Priorities: Low, medium and high
- Notification: Audible and visual
- Setting: Default, institutional and last setting
- Alarm system delay: <10s

Optional Accessories

- 10-hour battery
- Adapter plate
- GCX wall mount arm and channel
- GCX roll stand
- Carrying case

Available Modes

- Standard - Hospital, hospital-type facilities, and intra-hospital transport.
- Homecare - Simplified monitoring for use in the home by caregivers
- Sleep Study - Muted audible and visual queues to aid sleep studies

Connectivity

- Supports wired and USB trend data export to an external personal computer for archiving or data analysis
- Nurse call capability
- Compatible with Nellcor™ OxiNet III remote respiratory monitoring system, Vital Sync™ virtual patient monitoring platform

Simple set up and maintenance

The Nellcor™ bedside SpO_2 patient monitoring system meets medical electrical equipment standards, is RoHs compliant, and enables hospital staff to set institutional defaults, replace the battery, perform diagnostics to troubleshoot performance issues, and perform on-site maintenance on the monitor.

Visit medtronic.com/covidien for more information

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