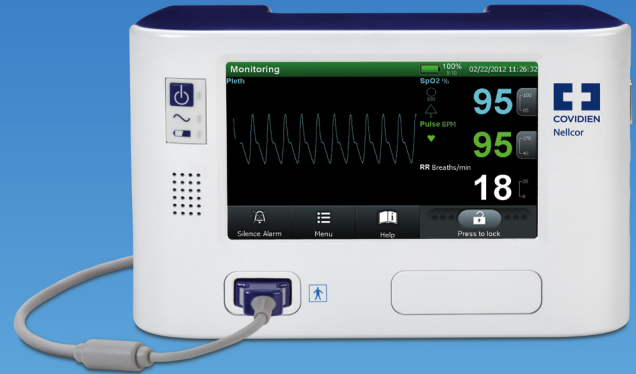


PROVEN TECHNOLOGY. TRUSTED PERFORMANCE.

Nellcor™ Bedside Respiratory Patient Monitoring System, PM1000N

Designed for accuracy, the Nellcor™ bedside respiratory patient monitoring system, PM1000N incorporates Nellcor™ pulse oximetry digital signal processing technology. It is engineered to offer reliable readings — even during low perfusion and other forms of signal interference such as patient motion.



DATA YOU CAN RELY ON

The patient monitoring system provides continuous SpO₂ and pulse rate monitoring. It features Nellcor™ saturation pattern detection (SPD) for automated, real-time alerts to desaturation patterns that typically indicate repetitive reductions in airflow. You'll have the data you need to confidently detect respiratory complications earlier and intervene sooner.

Equipped with Nellcor™ SatSeconds alarm management, you'll also be able to manage alarms — ensuring alarms are treated promptly and reducing alarm fatigue.

MOTION TOLERANCE

The ability of the Nellcor™ monitoring system to provide accurate data even during patient motion sets it apart from competitors. In fact, the bedside pulse oximeter portfolio received FDA clearance for motion tolerance and compliance with ISO 80601-2-61, the safety and performance standard for pulse oximetry.

EASE OF USE

The Nellcor™ bedside respiratory patient monitoring system, PM1000N is engineered with modular software. That means the monitor can be easily upgraded onsite with new features and parameters as they are developed, offering long-term performance. And the intuitive graphical user interface and easy-to-read, state-of-the-art color touchscreen provide easy access to the critical information you need.

The system memory stores up to 48 hours of trend data at one-second intervals. Data is available in real time as historical trend data in both graphical and tabular views. The data can be downloaded at any time to a USB flash drive.

With reliable real-time and trend data at hand, you'll have a complete picture of a patient's oxygenation status.

So you can make treatment decisions with confidence.

Features of the Nellcor™ bedside respiratory patient monitoring system oximeter include:

- A standalone bedside monitor with SpO₂ and pulse rate parameters
- Easy-to-use color touchscreen and graphical user interface
- Screen layout options so you can choose from a set of predefined views and easily switch between views
- Up to 48 hours of trend data readings that can be stored for analysis and archive
- The option to upgrade via USB port for feature enhancements and new parameters, including Nellcor™ respiration rate software
- A built-in troubleshooting guide for simple maintenance by biomedical staff
- Variable-pitch beep tone that offers indications of point-by-point changes in SpO₂
- Back-up audible alarm
- Nellcor™ saturation pattern detection alert (SPD) for a real-time indication of repetitive reductions in airflow (RRiA)
- Nellcor™ SatSeconds alarm management, a clinician-controlled feature that differentiates between serious hypoxemia and minor transient events
- Connectivity to the Philips™ Vuelink module and Nurse Call via wired serial port

SPECIFICATIONS

PERFORMANCE

Measurement range

SpO₂: 1% to 100%

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

Pulse amplitude: 0.03% to 20%

ACCURACY

(Adult – Neonate)

Saturation (% SpO₂ ± 1 SD)

70% to 100% ± 2 digits; ± 3 digits (motion)

60% to 80% ± 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: 80–263 VAC, 47/63 Hz, 20 VA power

Fuse rating: Slow blow 1.5A 250V

Battery

Type: Lithium-ion

Battery capacity: 6 hours under nominal load conditions

ENVIRONMENTAL

Operating Temperature

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

Transport/storage temperature (in shipping carton):

-40°C to 70°C (-40°F to 160°F)

Operating Humidity

15% to 95% noncondensing

Operating Altitude

-304.8 m to 4572 m (-1000 ft. to 15,000 ft.)

PHYSICAL CHARACTERISTICS

Weight

2.0 kg (4.5 lb)

Size

203 H X 389 W X 356 D (mm)

7.9 H X 15.3 W X 14.0 D (in.)

EQUIPMENT COMPLIANCE

Standards Compliance

EN ISO 80601-2-61: 2011

EN IEC 60601-1: 2005

EN IEC 60601-1-2: 2007.03.01 3rd edition

EN IEC 60601-1-2: 2nd edition

IEC 60601-1-8: 2006 and EN 60601-1-8: 2007

EN IEC 60601-1-9: 2007

ISO 10993-1: 2003

CAN/CSA C22.2 No. 60601-1:08

WEEE 2002/96/EC

RoHS directive 2011/65/EU

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 3rd edition

Liquid ingress: IPX2

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

OUTPUT

Capability to connect with the Nellcor™ Oxinet III central monitoring station via wired/wireless Ethernet as well as wired serial port

Capability to connect to Philips™ Vuelink module and Nurse Call via wired serial port

Capability to download trend data to PC

DISPLAY/INDICATORS

Pulse amplitude indicator (16 segments)

Plethysmographic waveform

Real time numbers

Real time trend data

Multiple alarm conditions

Up to 3 alarm conditions simultaneously

Nellcor™ SatSeconds alarm management

Nellcor™ pulse oximetry with OxiMax™ technology SPD alert

Battery charging

Clock

ALARMS

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

Nellcor™ SatSeconds alarm management settings: 10, 25, 50, and 100, or OFF

Nellcor™ SPD sensitivity setting: 1, 2, 3, or OFF

Pulse rate delay settings: 5, 10, or OFF

Audible and visual warning indicators for low battery and sensor off

Audible and visual sensor disconnect alarms

Communication failure visual alarm

OPTIONAL ACCESSORIES

GCX mounting adapter interface cable

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