



The **Nellcor N 600** is one of the OxiMax Pulse Oximetry systems by Nellcor. The Full Featured oximeter can monitor a wide range of patients Neonates, Pediatrics and Adults. The system comes with a large LED digital display to show the readings of SpO<sub>2</sub> and Pulse rate measurements along with low perfusion and patient monitoring. The Nellcor N-600 includes the Nellcor SatSeconds alarm technology in the oximeter. This allows you to customize the alarms both visual and audible for high or low saturation and pulse rate, along with a low battery and disconnection alarm. It allows you to set alarms for monitoring limits of SpO<sub>2</sub>, if it gets below the selection an alarm will go off. The Nellcor Pulse Oximeter can store up to 48 hours of 4- second trending data or 24 hours of 2 second trending data, this can then be transferred to PC or printed.

## Features

- Simple, intuitive operation and easy-to-see display with dimmer and contrast adjustment
- Three display options: plethysmographic waveform, large numerics, and customizable real-time trend
- On-screen quick guide provides instant help to assist caregivers with monitor operation
- Convenient selection of adult or neonate alarm, and user-configurable power-on settings
- Fast-averaging mode (2 to 3 seconds) to more precisely track rapidly changing saturations
- On-screen viewing of 24 to 48 hours of SpO<sub>2</sub> and pulse rate trends taken at 2-4 second intervals; printing capability
- Variable pitch beep tone enables clinicians to hear changes in SpO<sub>2</sub>
- Backup speaker with escalating alarm tones
- Interfaces with certain multi-parameter monitors enabling real-time patient information and true physiologic waveforms to be displayed
- Works with the Oxinet III remote respiratory monitoring system
- 7-hour battery life with battery gauge for convenient portability



# Specifications

<b>Dimensions</b>	Size: 104mm H x 302mm W x 257mm D (4.1" x 11.9" x 10.1") Weight: 13 lbs (6kg)
<b>Display Type</b>	vacuum fluorescent & LEDs. Display are: 140.6mm x 35mm. Resolution: 256 x 64 pixels. Pixel size: 0.4 x 0.4 mm
<b>Controls and Indicators</b>	Front panel: on/standby; freeze; menu; pulse tone volume, up and down; alarm off; alarm off indicator; battery charging indicator; function keys (4), software configured. Rear panel: mains AC power ON/OFF control.
<b>Connections</b>	Front panel: connector for mainstream CO2 sensor cable; connector for SpO2 cable. Rear panel: power cord receptacle; fuse block; RS-232 input/ output port; C-lock ECG synchronization input (3/32" mono phone jack).
<b>Capnograph Display Range</b>	0-99 mmHg. Breath rate: 0-150 breaths/min. Accuracy: $\pm 2$ mmHg for 0-40 mmHg, $\pm 5\%$ of reading (increasing linearity 0.8% for every 10 mmHg) for 41-99 mmHg. Response time: less than 60 ms. Alarms: apnea; sensor disconnect; high/low ETCO2; high/low breath rate; high/low inspired CO2.
<b>Pulse Oximeter Display Range</b>	0-100% SpO2, 20-250 beats/min pulse rate. Accuracy: Adults: 70%-100% $\pm 2$ digits, 0-69% unspecified; Neonates: 70%-95% $\pm 2\%$ , 0-69% unspecified. Wavelengths: 660 nm (red, nominal); 920 nm (infrared, nominal). Heat dissipation: non-heated: less than 50 mW total heat dissipation by LEDs (typically less than 1° C temperature rise). Alarms: pulse search; high/low SpO2; high/low pulse rate; SpO2 sensor disconnect.
<b>Co2 Sensor Type</b>	mainstream. Size: <12.5 mm <sup>3</sup> (0.5 in <sup>3</sup> ). Weight: less than 10 grams. Cable length: 3 meters (9.84 feet). Calibration: annual accuracy check; no user calibration required. Temperature: 42°C nominal
<b>Electrical Power Requirements</b>	00/120V ~, 50/60 Hz, 500 mA; 220/240V ~, 50/60 Hz, 250 mA. Digital/Analog input voltage: $\pm 30$ VDC, maximum. Leakage current: 10 $\mu$ A maximum (for 110V; 20 $\mu$ A maximum for 220V) from patient connections to ground or AC mains; 100 $\mu$ A maximum from AC mains to chassis ground.
<b>Battery Type</b>	Sealed lead acid. Operating time (fully charged): 90 min. nominal, 180 min. without graphics. Recharge period: 12 hrs typical. Charger type: internal, current limited, constant voltage. Battery fuse: 1XT 2.5 A, 250V, 3 AG.
<b>AC Fuses</b>	100/120 V ~ 1 XT 1.0 A, 250V, 3AG; 220/240 V ~ 2 X T 0.5 A, 5x20 mm

