



The Nellcor N-85 hand-held capnograph/pulse oximeter with OxiMax technology combines two highly advanced technologies in a convenient, portable device. Microstream Capnography helps ensure accurate end-tidal CO measurements and crisp waveforms, extensive selection of Microstream breathsampling accessories allows you to monitor intubated and nonintubated patients including those receiving supplemental oxygen.

The Nellcor N-85 monitor delivers exceptional pulse oximetry performance even during low perfusion and signal interference. Nellcor specialty sensors including the forehead SpO2 sensor and nonadhesive SpO2 sensors.

Features

- Accurate monitoring even with weak pulse signals
- Interfaces with the Nellcor™ OxiNet III remote respiratory monitoring system
- Reliable CO2 monitoring, even in high humidity environments
- Low sample flow rate of 50 mL/min that allows monitoring on the widest range of patients, from neonates to adults
- Customizable and scalable to meet specific hospital and patient needs
- Real-time, centralized viewing of monitored patients' respiratory status
- Report/communicate patient information with enhanced trend reporting tools, pinpointing significant events



Specifications

Dimensions

Height: 8.11 in (206 mm)
 Width: 3.46in (88 mm)
 Depth: 2.06in (53 mm)
 Weight: 1.87 lbs (850 g)

Displayed Parameters

CO2 and plethysmographic waveforms, etCO2, SpO2, pulse rate, respiration rate, trend data

Screen Display

Graphic LCD display (128 x 64 dots) with LED backlight (contrast and backlight control); two numeric fields, three digits each, using seven-segment LED; two-color LED alarm bar

Performance - Capnograph

Display range: 0 to 99 mm Hg (0-13.2 kPa and 0-13.0 vol% at sea level)
 Sampling rate: 50 ± 7.5 mL/min
 Warm-up time: 30 seconds typically; reaches steady-state accuracy 20 minutes after power up

Performance - Accuracy

0 to 38 mm Hg ±2 mm Hg
 39 to 99 mm Hg ±5% of reading
 Respiration Rate: 0 to 150 breaths/minute

Performance - Oximeter

Display range: SpO2: 0% to 100%
 Pulse rate: 20 to 250 beats/minute

Accuracy - Saturation (% SpO2 ± 1 SD)

Adults: 70% to 100% ± 2 digits
 Neonates: 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: AC input of 100 to 230 VAC @ 60/50 Hz

Battery

Type: Rechargeable NiMH
 Battery capacity: Supplies power for four to seven hours (depending on power management); Fully recharges in approximately 4.5 hours

Operating Temperature

32°F to 113°F (0°C to ...45°C)
 Storage temperature: -31°F to 158°F (-35°C to 70°C)

Operating and Storage

Pressure: 430 mm Hg to 795 mm Hg
 Altitude: -1,250 ft to 15,000 ft (-381 m to 4,572 m)
 Humidity: 10% to 95% noncondensing
 Shock test: IEC 68-2-27
 Sinusoidal vibration test: IEC 68-2-6
 Random vibration wide band test: IEC 68-2-34
 Drop test MIL-STD-810E, method 516.4-II

