



We Serve, You Cure

**AMS** Solutions Inc.



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# Solutions Inc.

*Your Respiratory Partner*

## NELLCOR N-595 PULSE OXIMETER

### FEATURES AND SPECIFICATIONS

#### PHYSICAL CHARACTERISTICS

##### Weight

5.7 lb (2.6 kg)

##### Size

3.3 in H x 10.4 in W x 6.8 in D  
(8.4 cm x 26.4 cm x 17.3 cm)

##### Size

- IEC 60601-1 • EN865
- CSA 601.1 • EN/IEC 60601-1-2
- UL 2601-1 (2nd ed.)
- IPX1

##### Emissions Compliance

EN55011, Group 1, Class B

##### Output

- EIA-232 and RS-422 digital output from serial port
- Oxinet Communications Output Protocol
- Nurse call capability
- Analog output (0-1V); SpO<sub>2</sub>, pulse rate and plethysmographic waveform

##### Optional Accessories

- GCX mounting brackets
- Interface cables

##### Displays/Indicators

High quality LCD graphical screen. Plethysmographic waveform or magnified view ("big numbers" with pulse amplitude indicator). Visual indicators: Pulse search, audible alarms silenced or off, artifact indicator, low battery and battery charging, sensor off, sensor disconnect and SatSeconds clock.

##### 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. Audible sensor disconnect alarm. Displayed saturation and pulse rate alarm limits.

#### ENVIRONMENTAL

##### Operating Temperature

Instrument: 5°C to 40°C

##### Transport/Storage Temperature

(in shipping carton): -20°C to 70°C

##### Operating Humidity

15% to 95% noncondensing

##### Operating Altitude

-1,280 ft to 12,000 ft

Adult specifications are shown for the OxiMax MAX-A and MAX-N sensors with the N-595 monitor. Neonate specifications are shown for MAX-N sensors with the N-595 monitor. Saturation accuracy will vary by sensor type. Refer to Nellcor's Sensor Accuracy Grid Card for details. Motion accuracy specifications apply to OxiMax MAX-A, MAX-AL, MAX-P, MAX-I and MAX-N sensors. The low perfusion specifications apply to monitor performance. Refer to the N-595 operator's manual for complete description, instructions, warnings, cautions and specifications. Specifications are subject to change without notice.

- Compatible host monitors include:
  - Agilent CMS and V24/26
  - Spacelabs PCMS
  - GEMS-IT
  - Solar 7000 and 8000
  - Datex-Ohmeda AS/3, CS/3 and S/5
- Real-time patient information and true physiologic waveforms displayed on host system.
- Automatic upgrade of host system to OxiMax technology.

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Combine Nellcor's best-in-class pulse oximetry performance with a revolutionary pulse oximetry platform. The result is the Nellcor® N-595 Pulse Oximeter, the cornerstone of our OxiMax® Pulse Oximetry System. Equipped with Nellcor's advanced digital signal processing technology, the N-595 Pulse Oximeter conquers difficult monitoring challenges. Even when faced with patient motion and low perfusion at the same time, the N-595 pulse oximeter performs with substantially greater accuracy than conventional oximetry. As a result, you can expect reliable SpO2 and pulse rate monitoring-even for your difficult-to-monitor patients.

The N-595 Gives You OxiMax Power The OxiMax system creates a communication link between the sensor and monitor that empowers the N-595 monitor to display valuable information to caregivers. The Sensor Messages function provides troubleshooting tips for optimal sensor application, and the Sensor Event Report allows alarm event history to travel with the patient for quick assessment at various points of care.

### THE N-595 PULSE OXIMETER

Exceptional performance, even when challenged with patient motion, low perfusion and weak signal conditions or environmental interference.

- Ideal for any clinical environment; monitors neonates through adults.
- Convenient selection of adult or neonate alarm limits, and user-configurable power-on settings.
- Compatible with the full line of Nellcor OxiMax sensors.
- Variable pitch beep tone enables clinicians to hear point-by-point changes in SpO2.
- User-selectable fast-averaging mode (2-3 seconds) to more precisely track rapidly changing saturations.
- Improved response to rapidly changing pulse rates, even during weak pulse conditions.
- Onscreen viewing of 48 hours of SpO2 and pulse rate trends taken at 4-second intervals; printing capability.
- Compatible with Score™ Analysis Software for overnight oximetry studies.
- User-selectable fast-averaging mode (2-3 seconds) to more precisely track rapidly changing saturations.
- Improved response to rapidly changing pulse rates, even during weak pulse conditions.
- Onscreen viewing of 48 hours of SpO2 and pulse rate trends taken at 4-second intervals; printing capability.
- Compatible with Score™ Analysis Software for overnight oximetry studies.

### FEATURES AND SPECIFICATIONS

#### Measurement Range

SpO2: 1% to 100%

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

Perfusion index: 0.03% to 20%

#### Accuracy

Saturation (% SpO2:  $\pm 1$  SD):

Without motion: Adult 70% to 100%  $\pm 2$  digits

Neonates 70% to 100%  $\pm 3$  digits

With motion: Adult & Neonates 70% to 100%  $\pm 3$  digits

Low perfusion: 70% to 100%  $\pm 2$  digits

#### Measurement Range

Pulse rate:

Without motion: 20 to 250 bpm  $\pm 3$  digits

With motion: Normal physiologic range (e.g., 55 to 125 bpm)  $\pm 5$  digits

Low perfusion: 20 to 250 bpm  $\pm 3$  digits

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