# Introducing the OXIMAX<sup>™</sup> Oximetry System

## **Nellcor® N-595 Pulse Oximeter**

### A NEW WAY OF COMMUNICATING

A BETTER WAY OF MONITORING



### PERFORMANCE BEYOND EXPECTATIONS

Combine Nellcor's best-in-class pulse oximetry performance with an extraordinary new pulse oximetry platform.
The result is the Nellcor<sup>®</sup> N-595 Pulse Oximeter, the cornerstone of the OxiMax<sup>™</sup> Pulse Oximetry System.
The N-595 Gives You OxiMax Power when used with Nellcor's OxiMax sensors. The N-595 monitor displays troubleshooting tips to aid caregivers as they apply the sensor. Clinicians can also access any alarm events that occurred while the sensor was on the patient for quick assessment after transport.





NELLCOR

#### SATSECONDS ALARM MANAGEMENT

The N-595 Pulse Oximeter let's you take advantage of Nellcor's innovative SatSeconds™ Alarm Management. This feature offers a safe, practical way to reduce nuisance alarms triggered by clinically insignificant desaturation events.





#### GET A GREAT VIEW WITH THE N-595 MONITOR

- Bright blue, backlit LCD screen for ease of viewing.
- One-touch contrast adjustment. Flip feet allow you to adjust the angle for improved tabletop
- viewing. Choose to view "big numbers" or
- the plethysmographic waveform.

#### **MULTIPARAMETER** MONITOR INTERFACE

Compatible host monitors include:

Agilent CMS and V24/26, Spacelabs PCMS, GE/Marquette Solar 7000 and 8000.

#### **Benefits:**

- **Beal-time** patient information and true physiologic waveforms displayed on host system.
- Automatic upgrade of host system to OxiMax technology.

### **Nellcor® N-595 Pulse Oximeter**

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

- Ideal for any environment: monitors neonates through adults
- One-touch selection of adult or neonate alarm limits, and user-configurable power-on settings.
- Improved sound quality for the variable pitch beep tone, a feature that enables clinicians to hear point-by-point changes in SpO<sub>2</sub>.
- On-screen viewing of 48 hours of SpO2 and pulse rate trends taken at 4-second intervals.
- Prints graphical and tabular trends.
- Compatible with the full line of Nellcor OxiMax sensors.

### **Features and Specifications**

1% to 100%

0.03% to 20%

70% to 100%

70% to 100%

70% to 100%

(% SpO<sub>2</sub>: ± 1 SD):

#### PERFORMANCE

Measurement Range
SpO <sub>2</sub> :
Pulse rate:
Perfusion range:
Accuracy
Saturation
Without motion:
Adults
Neonates
Low perfusion

With motion: Adults & Neonates

Pulse rate: Without motion.

With motion

#### **ELECTRICAL**

#### Instrument

Power requirements: 100 to 120 VAC, 200 to 240 VAC, 50/60 Hz, 20 VA 0.5 Amperes Fuse rating: Battery

Sealed lead-acid internal battery Type: Minimum of 2 hours using new, **Battery capacity:** fully charged battery

### **ENVIRONMENTAL**



**Operating Temperature**  $5^{\circ}C$  to  $40^{\circ}C$ Instrument: Transport/Storage Temperature (in shipping carton): -20°C to 70°C **Operating Humidity** 15% to 95% noncondensing **Operating Altitude** -390.1 m to 3,658 m

**PHYSICAL CHARACTERISTICS** 

Weight 2 6 kg Size 8.4 cm (H) x 26.4 cm (W) x 17.3 cm (D) Equipment Classification · IEC 60601-1 · EN86S

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

#### **Emissions Compliance**

#### · EN55011, Group 1, Class B

#### Output

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

#### **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
- **Optional Accessories**

- GCX mounting brackets
- · Interface cables

All products are trademarks of Nellcor. 

tyco Healthcare

### NELLCOR

Tyco Healthcare UK Limited 154 Fareham Road GOSPORT Hampshire PO13 0AS UK +44 (0) 1329 224226 Tel: +44 (0) 1329 224334 Fax:

Tyco Healthcare Birchwood Court Montrose Road P.O. Box 8108 Halfway House 1685 MIDRAND SOUTH AFRICA Tel: +27 (0) 11 265 2000 Fax: +27 (0) 11 265 2050

Tyco Healthcare Regional Export 154 Fareham Road GOSPORT Hampshire PO13 0AS UK +44 (0) 1329 224258 Tel: Fax: +44 (0) 1329 224086

Tyco Healthcare Norden AB Gårdsvägen 18 SE-169 67 SOLNA SWEDEN Tel: +46 (0) 8 585 605 05 Fax: +46 (0) 8 585 605 06

www.tycohealthcare.com

Tyco Healthcare Nederland BV Hogeweg 105 5301 LL ZALTBOMMEL The NETHERLANDS Tel: +31 418 57 66 00 Fax: +31 418 57 67 93 TycoHealthNed@TycoHealth.com www.tycohealthcare.nl

Tyco Healthcare Belgium N.V.-S.A. Generaal de Wittelaan 9/5 B-2800 MECHELEN BELGIUM BELGIUIVI Tel: +32 (0) 15 29 44 50 Fax: +32 (0) 15 29 44 55 tycohealthcare.belgium@tycohealth.com Ê Ê Ê Ê Ê Ê Ê Ê Ê Ê Ê Ê Ê Ê Ê Ê Ê Ê Û /2002

CE

0123

20 to 250 bpm ± 3 digits Normal physiologic range (e.g., 55 to 125 bpm) ± 5 digits 20 to 250 bpm  $\pm$  3 digits

20 to 250 beats per minute (bpm)

± 2 digits

± 3 diaits

±2 digits

70% to 100% ± 3 digits 1% to 69% unspecified

1% to 69% unspecified

Low perfusion: