Adult specifications are shown for the OxiMax™ MAX-A and MAX-N sensors with the OxiMax™ N-600x™ pulse oximeter. Neonate specifications are shown for MAX-N sensors with the OxiMax N-600x pulse oximeter. Saturation accuracy will vary by sensor type. Refer to Nellcor Sensor Accuracy Grid Card for details. The low perfusion specifications apply to monitor performance. Refer to the OxiMax N-600x pulse oximeter operator’s manual for complete description, instructions, warnings, cautions and specifications. Specifications are subject to change without notice.

Refer to the OxiMax™ N-85™ operator manual for complete description, instructions, warnings, cautions and specifications. Specifications are subject to change without notice.

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For your OEM or Nellcor™ technology solutions, please contact your local Covidien sales representative at 1-800-NELLCOR.
OxiMax Product Ordering Guide

**Specialty Sensors**

Max-Fast™
Forehead Sensor
For patients with low perfusion; suitable for long-term monitoring

- Adult / Pediatric >10 kg

**Catalog No.**

<table>
<thead>
<tr>
<th>MAXFAST</th>
</tr>
</thead>
</table>

**SoftCare™**
Nonadhesive Sensors
For patients with fragile skin; suitable for long-term monitoring

- Adult >40 kg
- Neonatal/Adult <3 kg or >40 kg
- Infant 3-20 kg
- Pediatric 10-50 kg
- Adult Nasal <50 kg

**Catalog No.**

<table>
<thead>
<tr>
<th>SC-A</th>
<th>SC-NEO</th>
<th>SC-PR</th>
</tr>
</thead>
</table>

**Single-Patient-Use Sensors**

- Adhesive Sensors: Comfortable, form-fitting sensors; suitable for long-term monitoring

**Catalog No.**

<table>
<thead>
<tr>
<th>MAXA / MAXAL*</th>
<th>MAXN</th>
<th>MAXI</th>
<th>MAXP</th>
<th>MAX-R</th>
</tr>
</thead>
</table>

*36" Cable

**Two-Piece Sensors**

OxiClig™
Single-patient-use adhesive bandage, reusable cable

**Catalog No.**

| N85 | A | N | I | P | DC-3 |

**Features and Specifications**

**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 typical, reaches steady-state accuracy 20 minutes after power up
  - Accuracy: 0 to 38 mm Hg ±2 mm Hg
  - 39 to 99 mm Hg ±5% of reading
  - Respiration Rate: 0 to 150 breaths/minute

- **Pulse Oximeter**
  - Display Range: SpO2: 0% to 100%
  - Pulse Rate: 20 to 250 bpm ± 3 digits
  - 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

**Communication Interface**

- RS-232 interface @ 9600 baud; full duplex serial interface via RJ-45 connector

**Electrical Instrument**

- Power requirements: AC input of 100 to 230 VAC or 60/50 Hz
- Battery Type: Rechargeable NiMH
- Battery Capacity: Supplies power for 4 to 7 hours (depending on power management), fully recharges in approximately 4.5 hours

**Environmental**

- 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

**Physical Characteristics**

- Weight: 1.87 lb (850 g)
- Size: B.11 in H x 2.46 in W x 2.06 in D (286 mm x 88 mm x 53 mm)
- Displayed Parameters: CO2, and photoplethysmographic waveforms, etCO2, SpO2, pulse rate, respiration rate, trend data.
- Display:
  - Graphical LCD display (128 x 64 dots) with LED backlight (contrast and backlight control); two numeric fields, three digits each, using 7-segment LED; two-color LED alarm bar
  - Adjustable alarm limits for all parameters; audio level as defined in ISO 9703-2 standard

**CO2 Accessories**

- Noninvasive Applications:
  - Smart CapnoLine™ and Smart CapnoLine O2 oral/nasal circuits
  - CapnoLine™ H and CapnoLine H O2 nasal circuits
  - NIV Line™ nasal circuit
- Intubated Applications:
  - filterLine® Set and filterLine h Set*, combination etCO2 circuit and airway adapter
  - *indicates for noninvasive applications; up to 72-hour duration

**Other Accessories**

- Carrying case
- Protective boot
- Optional mount clamp
- Digital to analog converter
- Communication adapter kits
- Calibration gas kit
- External battery charger
- Extra rechargeable battery pack
- Battery pack carrying pouch
- Nurse call and remote monitoring interface kits

**Catalog No.**

| N85 |
**Nellcor® OxiMax™ N-65™ Handheld Pulse Oximeter**

**FEATURES AND SPECIFICATIONS**

**PERFORMANCE**
- **Display Range**
  - SpO₂: 0% – 100%
  - Pulse rate: 20 – 250 bpm
- **Accuracy**
  - Saturation (%SpO₂): ± 1 SD
  - Pulse rate: ± 3 digits
- **Power Requirements**
  - 6 V supplied by four AA-size batteries
- **Battery Life**
  - Alkaline: 19 hours (typical)
  - Lithium: 40 hours (typical)

**ENVIRONMENTAL**
- **Storage/Shipping Temperature**
  - -4°F to 158°F (-20°C to 70°C)
- **Operating Temperature**
  - 41°F to 104°F (5°C to 40°C (del))
- **Operating Altitude**
  - -1,254 ft to 9,882 ft (-382 m to 3,012 m)
- **Relative Humidity**
  - 15% to 95% noncondensing

**PHYSICAL CHARACTERISTICS**
- **Size**
  - 2.8 x 6.2 x 1.4 (inches) (7.3 cm x 15.8 cm x 3.5 cm)
- **Weight** (with batteries)
  - 0.65 lb (0.29 kg)

**DISPLAYS**
- Oxygen saturation, pulse rate, vertical bar graph

**OPTIONAL ACCESSORIES**
- Protective Boot (3 color options)
- Moisture-Resistant Jacket
- Carrying Case
- CE-marked Portable Infrared Printer

**SENSEX™ CABLES**
- **DEC-4 / DEC-8**
- **SCP-10**
- **MC-10**
- **DOC-10**

**Oximeter Extension Cables**
- For compatibility with specific sensor/monitor models, contact your local Covidien representative or call 1-800-NELLCOR.

**CATALOG NO.**
- N65

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**OXIMAX PRODUCT ORDERING GUIDE**

**REUSABLE SENSORS**
- **Reusable Sensors**
  - Single-patient-use adhesive bandage, reusable cable

**CATALOG NO.**
- DS-100A-1
- OXI-A/N
- OXI-A/N
- OXI-P/I
- OXI-P/I

**CATALOG NO.**
- 1 / PKG

**Dura-Y™ Multisite Sensor**
- Use with wrap or clip accessories

**CATALOG NO.**
- D-YS
- D-YSE
- D-YSPD
- PDSLV

**CATALOG NO.**
- 1 / PKG WRAPS, 1 PAIR / SLEEVES

**Reusable Sensor Wraps**
- For Oxiband and Dura-Y sensors

**CATALOG NO.**
- Posey
- ADH-A/N
- ADH-P/I
- FOAM-A/N
- FOAM-P/I

**CATALOG NO.**
- 1 / PKG

**SENSOR EXTENSION CABLES**
- **Doc-4 / Doc-8**
- **SCP-10**
- **MC-10**
- **DOC-10**

**CABLES**
- **Oximeter and non-OxMax pulse oximeters**
- **Non-OxMax pulse oximeters only**

**CATALOG NO.**
- 1 / PKG
Nellcor™ OxiMax™ N-600x™ Pulse Oximeter

FEATURES AND SPECIFICATIONS

PERFORMANCE

MEASUREMENT RANGE
SpO2: 1% to 100%
Pulse rate: 20 to 250 beats per minute

ACCUrACY (ADULT - NEONATE)

Saturation (% SpO2 ± 1 SD)
70% to 100% ± 2 digits
60% to 80% ± 3 digits
Low perfusion: 70% to 100% ± 2 digits
Pulse rate: 20 to 250 bpm ± 3 digits

ELECTRICAL

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

BATTERY
Type: Sealed lead-acid internal battery
Battery capacity: Typically 7 hours using new, fully charged battery
Charge time: 8-12 hours

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

WEIGHT
3.07 lb (1.39 kg)

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)

PERFORMANCE

MEASUREMENT RANGE
SpO2: 1% to 100%
Pulse rate: 20 to 250 beats per minute (bpm)
Pulse amplitude: 0.03% to 20%

ACCUrACY

Saturation (% SpO2 ± 1 SD)
Adult: 70% to 100% ± 2 digits
60% to 80% ± 3 digits
Neonate: 70% to 100% ± 2 digits
60% to 80% ± 4 digits
Low perfusion: 70% to 100% ± 2 digits
Pulse rate: 20 to 250 bpm ± 3 digits

ELECTRICAL

INSTRUMENT
Power requirements: 100 to 240 VAC, 25 to 39 VA
Fuse rating: qty 2, 2a, 250 volts, slow-blow IEC (5x20 mm)

BATTERY
Type: NiMH
Battery capacity: Minimum of 8 hours using new, fully charged battery with no alarms, no serial data

ENVIrONMENtAL

OPErATING TEMPERATURE
Instrument: 10°C to 45°C
Transport/Storage Temperature (in shipping carton): -20°C to 70°C
Operating humidity: 15% to 95% noncondensing
Operating altitude: -1,280 ft to 18,288 ft

WEIGHT
3.07 lb (1.39 kg)
SIZE
2.95 in H x 9.56 in W x 5.04 in D
(7.5 cm x 24.3 cm x 12.8 cm)

PHYSICAL CHARACTERISTICS

WEIGHT
3.07 lb (1.39 kg)
SIZE
2.95 in H x 9.56 in W x 5.04 in D
(7.5 cm x 24.3 cm x 12.8 cm)