

**MAXIR SpO2 Sensor Remanufactured**

**Indications/Contraindications**

The Nellcor™ Infant SpO2 Sensor Remanufactured, model MAXIR, is indicated for single patient use when continuous noninvasive arterial oxygen saturation and pulse rate monitoring are required for patients weighing between 3 and 20 kg. The MAXIR is contraindicated for use on patients who exhibit allergic reactions to the adhesive tape.

**Directions for Use**

1. Remove plastic backing from the MAXIR and locate transparent adhesive dots (b) over each window as shown, then remove the protective paper that covers each dot (c). Windows must cover optical components. Note corresponding alignment marks (a) on the nonadhesive side and dashed line (c) midway between the marks (b).

2. Orient the MAXIR so the window next to the cable is aligned on the bottom of the great toe as shown. The cable should extend towards the heel of the foot.

3. Wrap the MAXIR firmly, but not too tightly around the toe. Pressure cuff, or intravascular infusion line.

4. Wrap any excess tape loosely around toe. Use additional adhesive tape provided to secure cable across bottom of foot, loosely enough to maintain good circulation.

The sensor is now ready to be reapplied to the same patient.

**Note:** When selecting a sensor site, priority should be given to an extremity free of an arterial catheter, blood pressure cuff, or intravascular infusion line.

A great toe is the preferred MAXIR location. Alternatively, the sensor can be applied to another digit of similar size, for example, a thumb.

If the sensor does not track the pulse reliably, it should be repositioned on the toe or finger. Windows must oppose each other.

If any of these coloring such as nail polish, dye, or pigmented cream) are incorrectly positioned—or the sensor site may be too thick, thin, or deeply pigmented, or otherwise deeply colored (for example, as a result of externally applied coloring such as nail polish, dye, or pigmented cream)—the sensor may not function properly.

Reappraisal

The Nellcor™ Infant SpO2 Sensor Remanufactured, model MAXIR, is indicated for single patient use when continuous noninvasive arterial oxygen saturation and pulse rate monitoring are required for patients weighing less than 3 kg or adults weighing more than 40 kg. The MAXIR is contraindicated for use on patients who exhibit allergic reactions to the adhesive tape.

**Indications/Contraindications**

The Nellcor™ Neonatal-Adult SpO2 Sensor Remanufactured, model MAXNR, is indicated for single patient use when continuous noninvasive arterial oxygen saturation and pulse rate monitoring are required for neonates weighing less than 3 kg or adults weighing more than 40 kg. The MAXNR is contraindicated for use on patients who exhibit allergic reactions to the adhesive tape.

**Directions for Use**

1. Remove plastic backing from the MAXNR and locate transparent adhesive dots (b) over each window as shown, then remove the protective paper that covers each dot (c). Windows must cover optical components. Note corresponding alignment marks (a) on the nonadhesive side and dashed line (c) midway between the marks (b).

2. Orient the MAXNR so the dashed line is on the lateral edge of the foot.

3. Wrap the MAXNR firmly, but not too tightly around the foot. The preferred site is a foot. The window next to the cable goes on the sole of the foot as shown.

4. Plug the MAXNR into the oximeter and verify proper operation as described in the separator operator's manual.

The sensor is now ready to be reapplied to the same patient.

**Note:** When selecting a sensor site, priority should be given to an extremity free of an arterial catheter, blood pressure cuff, or intravascular infusion line.

A great toe is the preferred MAXIR location. Alternatively, the sensor can be applied to another digit of similar size, for example, a thumb.

If the sensor does not track the pulse reliably, it should be repositioned on the toe or finger. Windows must oppose each other.

If any of these coloring such as nail polish, dye, or pigmented cream) are incorrectly positioned—or the sensor site may be too thick, thin, or deeply pigmented, or otherwise deeply colored (for example, as a result of externally applied coloring such as nail polish, dye, or pigmented cream)—the sensor may not function properly.

**Reappraisal**

The MAXNR can be reused on the same patient as long as the adhesive tape attaches without slippage.

Enclosed adhesive dots (d) are provided for reapplication. Place a transparent dot over each window as shown, then remove the protective paper that covers each dot (e). The sensor is now ready to be reapplied to the same patient.
WARNINGs
• If the sensor is wrapped too tightly or supplemental tape is applied, sensor positions may lead to inaccurate saturation measurements.
• Do not use the sensor or other oximetry sensors during MRI scanning. Conducted current may cause burns. Also, the sensor may affect the MRI design, and the MRI may affect the accuracy of oximetry measurements.
• Do not alter or modify the sensor. Alterations or modifications may affect performance or accuracy.
• Do not use a damaged sensor or pulse oximetry cable, or do not use with sensors or other oximetry sensors.

CautionS
Failure to apply the sensor properly may cause incorrect measurements.
• High oxygen levels may precipitate a prematurity infant to develop retinopathy. Therefore, the upper alarm limit for oxygen saturation should be set to avoid oxygen toxicity.

Do not use a damaged sensor or pulse oximetry cable. Do not alter or modify the sensor. Alterations or modifications may affect performance or accuracy.

Do not use the sensor or other oximetry sensors of sensors.

Compliance
When used with the appropriate Nellcor pulse oximetry monitors, patients monitoring Nellcor oximetry, or with patient monitors licensed to use Nellcor oximetry, the pulse oximetry system is compliant with ISO 9919:2005 provided other requirements of the standard are met.

Accuracy Specifications
The accuracy of the reprocessed OxiMax sensor during no motion is ± 2 digits (± 1.56% Dev.) for adults and ± 3 digits (± 1.69% Dev.) for neonates from 90% to 100% SpO2. Pulse rate accuracy from 25 to 240 bpm is ± 3 digits (± 1.56% Dev.). However, if the accuracy of the pulse oximeter to which the sensor is connected is low, the accuracy specification will decrease.

Note:
• Accuracy increased by ± 1 digit if SPO2 is adjusted to adult usage.

All specifications validated with the Nellcor N-595 Pulse Oximeter System.

Remanufacturable Sensors
If the product number detects remanufacturable oximetry sensors, a new sensor may also include new sensor.

Additional Copies of Instructions
Additional copies of these instructions are available at no charge by calling Covidien or its authorized distributors. Also, permission is hereby granted under Covidien copyrights to make copions for personal use, or to provide copies to others, or to incorporate portions of this manual into other instructions to customers, retailers, or distributors to make additional copies of these instructions for use by such purchasers.

MAXLR SpO2 Sensor Remanufactured Directions for Use
Indications/Contraindications
The Nellcor N-426 MaxoX SpO2 Sensor Remanufactured, model MAXLR, is intended for single patient use when continuous noninvasive arterial oxygen saturation and pulse rate monitoring is required for patients weighing between 50 and 100 kg. The MAXLR is contraindicated for use on patients who exhibit allergic reactions to the adhesive tape.

Instructions for Use
1. Select a site for sensor application by selecting the appropriate sensor from the MAXLR series: the MAXLR, MAXPR, or the MAXPL. The MAXLR and MAXPR are generally classified as single use sensors. The MAXPR SpO2 Sensor Remanufactured, is indicated for single patient use when continuous noninvasive arterial oxygen saturation and pulse rate monitoring is required for patients weighing between 10 and 50 kg. The MAXLR is contraindicated for use on patients who exhibit allergic reactions to the adhesive tape.

Indications/Contraindications
The Nellcor “Pediatric” SpO2 Sensor Remanufactured, model MAXPL, is intended for single patient use when continuous noninvasive arterial oxygen saturation and pulse rate monitoring is required for patients weighing between 15 and 10 kg.

Indications/Contraindications
The MAXLR is contraindicated for use on patients who exhibit allergic reactions to the adhesive tape.

Instructions for Use
1. Select a site for sensor application by selecting the appropriate sensor from the MAXLR series: the MAXLR, MAXPR, or the MAXPL. The MAXLR and MAXPR are generally classified as single use sensors. The MAXPR SpO2 Sensor Remanufactured, is indicated for single patient use when continuous noninvasive arterial oxygen saturation and pulse rate monitoring is required for patients weighing between 10 and 50 kg. The MAXLR is contraindicated for use on patients who exhibit allergic reactions to the adhesive tape.

Indications/Contraindications
The Nellcor “Pediatric” SpO2 Sensor Remanufactured, model MAXPL, is intended for single patient use when continuous noninvasive arterial oxygen saturation and pulse rate monitoring is required for patients weighing between 15 and 10 kg.

Indications/Contraindications
The MAXLR is contraindicated for use on patients who exhibit allergic reactions to the adhesive tape.

Instructions for Use
1. Select a site for sensor application by selecting the appropriate sensor from the MAXLR series: the MAXLR, MAXPR, or the MAXPL. The MAXLR and MAXPR are generally classified as single use sensors. The MAXPR SpO2 Sensor Remanufactured, is indicated for single patient use when continuous noninvasive arterial oxygen saturation and pulse rate monitoring is required for patients weighing between 10 and 50 kg. The MAXLR is contraindicated for use on patients who exhibit allergic reactions to the adhesive tape.

Indications/Contraindications
The Nellcor “Pediatric” SpO2 Sensor Remanufactured, model MAXPL, is intended for single patient use when continuous noninvasive arterial oxygen saturation and pulse rate monitoring is required for patients weighing between 15 and 10 kg.

Indications/Contraindications
The MAXLR is contraindicated for use on patients who exhibit allergic reactions to the adhesive tape.