



BECAUSE
**EVERY
SECOND
COUNTS.**

Nellcor™ SpO₂ Forehead Sensor

Medtronic
Further. Together

Nellcor™ pulse oximetry provides real-time,¹ accurate data — to help you make the right decision at the right time.



Timing for your patients is critical. You need accurate data quickly — so you can react sooner. That's why we developed the Nellcor™ SpO₂ forehead sensor.

Some patients represent a monitoring challenge because of:

- Intense vasoconstriction
- Hypovolemia
- Hypothermia
- Therapeutic hypothermia
- Low cardiac index
- Septic shock
- Severe peripheral vascular diseases
- Peripheral access in the OR



Forehead sensors help you succeed when challenges occur.

The Nellcor™ SpO₂ forehead sensor is accurate. It's:

- 25% more accurate than Masimo™* when it matters most, like in challenging low-saturation patients^{2,3}
- More closely aligned to arterial blood gas (ABG) draws than digit sensors⁴⁻⁶

It's also:

- Reliable, able to give readings when conventional finger sensors fail⁷
- Easy to use; the forehead is generally easier to reach and less prone to motion than hands
- Designed to detect changes in SpO₂ earlier than conventional sensors⁸, helping you react sooner to hypoxic events

It's versatile. You can use the sensor with:

- Mechanically ventilated patients
- Both pediatric (weighing more than 10 kg) and adult patients

And it's convenient. It:

- Is designed for single patient use
- Features a long-lasting, four-layer adhesive

A single Nellcor™ SpO₂ forehead sensor has four layers of adhesive. So it can be used for up to two days with appropriate site inspection and changes.

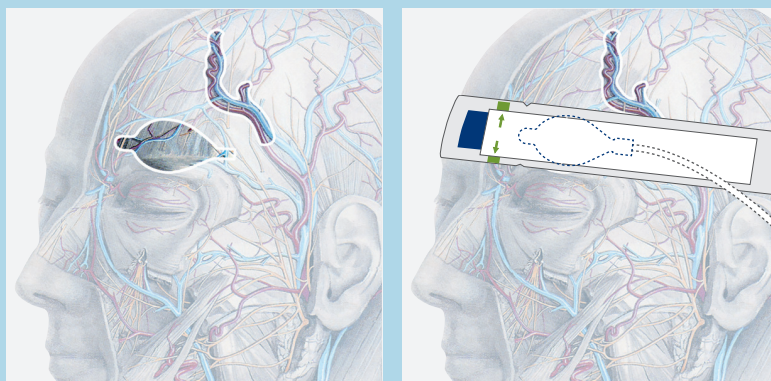
For accurate and reliable readings, use the soft, adjustable headband packaged with the SpO₂ forehead sensor to:

- Help prevent venous pulsation at the sensor site
- Maintain proper sensor position⁹

THE KEY TO SENSOR PLACEMENT

Optimal placement of the Nellcor™ SpO₂ forehead sensor is based on arterial circulation of the forehead region.

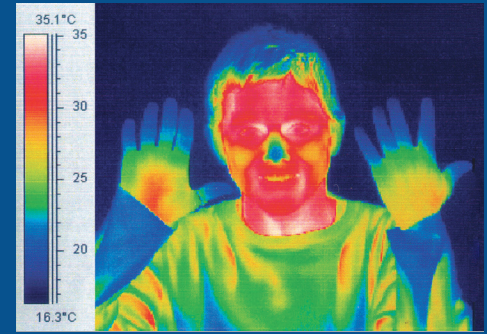
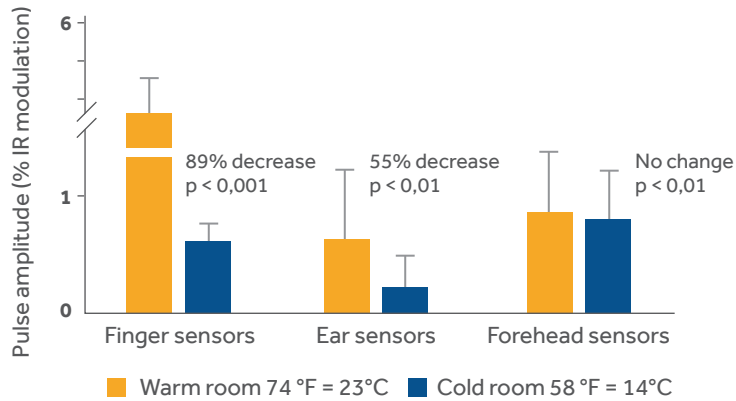
The skin just above the eyebrows is an ideal sensor site because its circulation stems from the internal carotid artery — the same source that supplies blood to the eyes and brain.



Real-time. Accurate.

Arterial blood traveling from the heart reaches the head sooner than distal sites such as fingers, especially when patients have poor pulse perfusion.¹⁰

Impact of cold-induced vasoconstriction¹⁰



This thermal image shows a healthy adult exposed to cold temperatures for 45 minutes. The fingers, ears, and nose are cold, indicating vasoconstriction and low peripheral perfusion, while the forehead temperature remains warm.

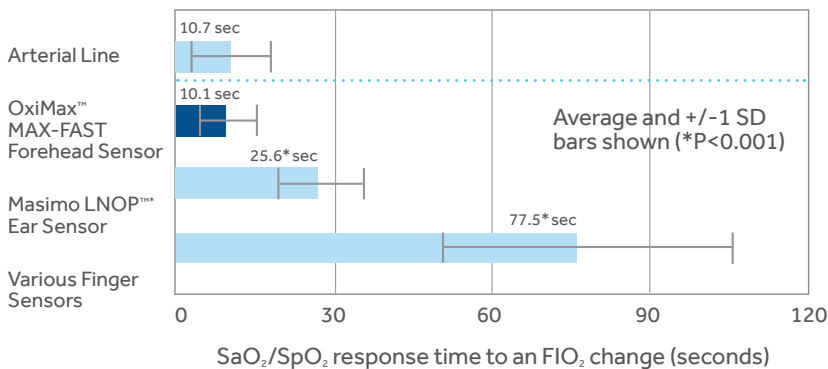
Because every second counts

When timing is critical, the Nellcor™ SpO₂ forehead sensor can detect changes in SpO₂ faster than with digit sensors.¹¹ And with an accuracy that correlates closer to arterial blood data.¹²

Forehead SpO₂ measurements are more accurate than finger SpO₂ measurements in critically ill patients.¹³

Response to a hypoxic event with peripheral vasoconstriction^{5*}

Not all sensor sites are the same



*Chart property of Medtronic. Data plotted from results summarized in source indicated.

ORDERING INFORMATION

Part number	Weight range	Quantity
MAXFAST	>10 kg	Case of 24



*Comparison between the published FDA cleared labeling for Nellcor™ MAXA, MAXAL, MAXN, MAXP, MAXI and MAXFAST sensors and Masimo™ LNCS sensors.

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