

Oxygen Saturation Accuracy Specification Grid for N-595 Pulse Oximeter

OxiMAX Sensor Models Single Patient Use	SpO ₂ Range 70%–100%
MAX-A,* MAX-AL*	± 2
MAX-N* (Adult)	± 2
MAX-N [†] * (Neonate)	± 3
MAX-P*	± 2
MAX-I*	± 2
MAX-FAST	± 2
SC-A (Adult)	± 2
SC-PR (Neonate)	± 3
SC-NEO (Neonate)	± 3
MAX-R [‡]	± 3.5

OxiCliq Sensor Models Single Patient Use	
OxiCliq A	± 2.5
OxiCliq P	± 2.5
OxiCliq N (Adult)	± 2.5
OxiCliq N (Neonate)	± 3.5
OxiCliq I	± 2.5

Reusable Sensor Models	
D-YS (Infant to Adult)	± 3
D-YS (Neonate)	± 4
D-YS & D-YSE (Neonate)	± 3.5
D-YS & D-YSPD	± 3.5
DS-100A	± 3
OXI-A/N (Adult)	± 3
OXI-A/N (Neonate)	± 4
OXI-P/I	± 3

* The accuracy specification under motion conditions is ± 3. For a definition of motion, contact Nellcor Technical Services or your local Nellcor representative.

‡ The accuracy specification has been determined between saturations of 80%–100%.

Accuracy Specifications: Accuracy specifications are based on controlled hypoxia studies with healthy, non-smoking adult volunteers over the specified saturation SpO₂ range. Pulse oximeter SpO₂ readings were compared to SaO₂ values of drawn blood samples measured by hemoximetry. All accuracies are expressed as ± “X” digits. This variation equals ± one standard deviation (± 1 SD), which encompasses 68% of the population.

Neonatal Accuracy: When sensors are used on neonatal subjects as recommended, the **specified accuracy range is increased by ± 1 digit**, as compared to adult usage, to account for the theoretical effect on oximeter measurements of fetal hemoglobin in neonatal blood. For example, MAX-N accuracy on neonates is ± 3 digits, rather than ± 2.

Oxygen saturation accuracy can be affected by certain environmental and patient physiological conditions, as discussed in the operator’s manual for the monitor.

Use Nellcor sensors only with Nellcor patient monitors and monitors containing Nellcor oximetry, or with instruments licensed to use Nellcor sensors (Nellcor-compatible instruments). Consult individual manufacturers for accuracy specifications and compatibility information of particular instruments and Nellcor sensor models.

tyco
Healthcare

 **NELLCOR**

Tyco Healthcare Group LP
Nellcor Puritan Bennett Division
Pleasanton, CA USA
1.800.NELLCOR

Authorized Representative
Tyco Healthcare UK LTD
Gosport PO13 0AS, U.K.