



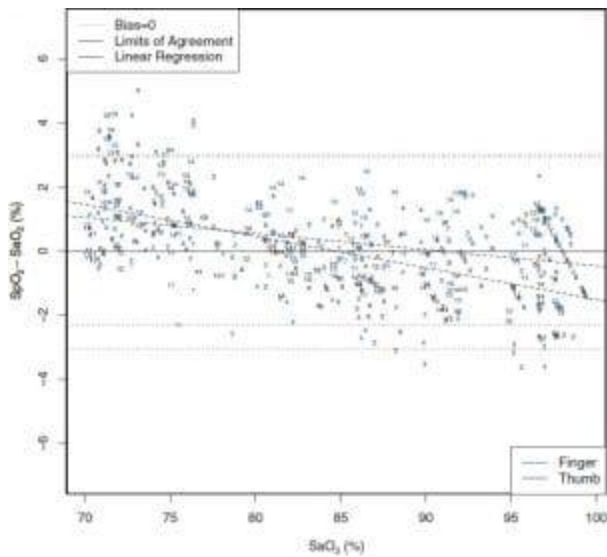
Model 3230 Bluetooth[®] LE Specifications

Oxygen Saturation Display Range: 0% to 100% SpO₂

Pulse Rate Display Range: 18 to 321 beats per minute (BPM)

Declared Accuracy*: The table below shows A_{rms} values measured using the Model 3230 in a clinical study.

Range	Specified Oxygen Saturation (A_{rms})	Finger Oxygen Saturation (A_{rms})	Thumb Oxygen Saturation (A_{rms})	Low Perfusion Oxygen Saturation (A_{rms})
70 – 100%	±2	± 1.31	± 1.56	±2
70 – 80%	±2	± 1.65	± 1.91	±2
80 – 90%	±2	± 1.05	± 1.21	±2
90 – 100%	±2	± 1.18	± 1.49	±2



This graph shows plots of the error ($SpO_2 - SaO_2$) by SaO_2 using the 3230 with a linear regression fit and upper 95% and lower 95% limits of agreement. Each sample data point is identified by subject from a clinical study in non-motion conditions.

Pulse Rate Declared Accuracy Range (A_{rms})*: 20 to 250 BPM ± 3 digits

Low Perfusion Pulse Rate Declared Accuracy Range (A_{rms})*: 40 to 240 BPM ± 3 digits

Measurement Wavelengths and Output Power:**

Red. 660 nanometers @ 0.8 mW max. average

Infrared. 910 nanometers @ 1.2 mW max. average

Temperature:

Operating. -5 °C to 40 °C / 23 °F to 104 °F

Storage/Transportation. -40 °C to 70 °C / -40 °F to 158 °F

Humidity:

Operating. 10% to 95% non-condensing

Storage/Transportation. 10% to 95% non-condensing

Altitude:

Operating. Up to 4,000 meters / 13,123 feet

Hyperbaric Pressure. Up to 4 atmospheres

Battery Life:

Operating. Approximately 2,200 spot checks (25 sec. per spot-check), within 10 meters/32 feet of collector with streaming data

Storage. 1 month, with batteries installed. CAUTION: Remove batteries if the device will be stored for more than 30 days.

* $\pm 1 A_{rms}$ represents approximately 68% of measurements.

** This information is especially useful for clinicians performing photodynamic therapy.



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