

A5 Medical Finger Pulse Oximeter

A5 - COMPACT MEDICAL FINGER PULSE OXIMETERS

Compact pulse oximeters - is a Fingertip pulse oximeters, monitoring blood-oxygen levels and heart rate. Pulse oximeters were rapidly adopted by anesthesiologists as the universal standard of care.

FEATURES

- Patented automatic 4-way screen orientation
- Low Power consumption;
- Low Perfusion $\leq 0.4\%$;
- Portable, Small and light weight;
- Durable and fashionable design: Vacuum-galvanization and UV printing technology;
- CE and ISO13485 Certified;
- Automatic shutdown detection;
- Battery life indicator



PARAMETERS

Measurement range: 35% to 99%

Measurement accuracy: 90% to 99% ± 1
70% to 89% ± 2

Alarm value: 85%

PULSE RATE (PR)

Measurement range: 30bpm to 240bpm

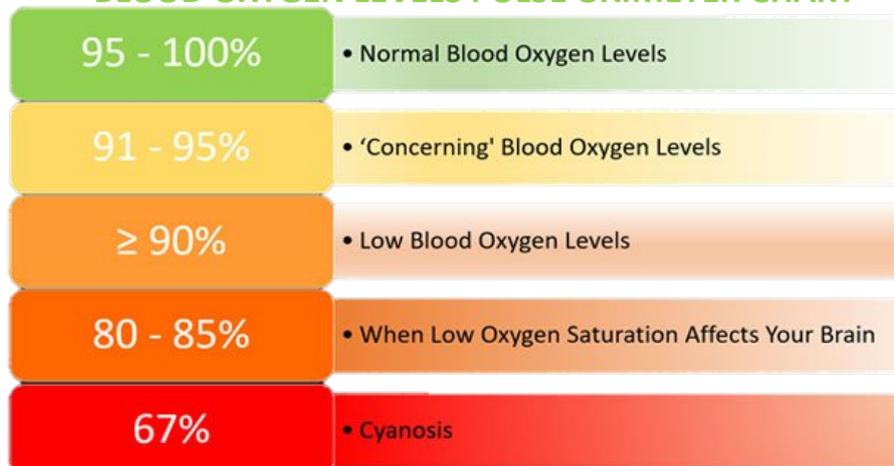
Measurement accuracy: ± 1 bpm

Alarm default value: >110 bpm

INSTANT RESULTS



BLOOD OXYGEN LEVELS PULSE OXIMETER CHART



Blood Oxygen Levels: Chart

Oxygen levels are measured according to the percentage of oxygen saturated in your blood. This is called your SpO2 level.

Normal Blood Oxygen Levels

For medical purposes, a normal blood oxygen saturation rate is often considered between 95% and 100%. However, you may not experience any symptoms if your percentage is lower.

'Concerning' Blood Oxygen Levels

Oxygen concentrations between 91% and 95% may indicate a medical problem. People in this situation should contact their healthcare provider.

Low Blood Oxygen Levels

The medical definition of a low blood oxygen rate is any percentage below 90% oxygen saturation. Oxygen saturation below 90% is very concerning and indicates an emergency. Call 911 immediately if you or someone you know experiences such a low blood oxygen level.

When Low Oxygen Saturation Affects Your Brain

By the time your oxygen saturation has fallen to between 80% and 85%, your brain may be affected by the lack of oxygen. You may also experience vision changes.

Cyanosis

The first visible symptoms of low blood oxygen, cyanosis causes a blue tinge to develop on your skin, particularly around your mouth and lips and beneath your fingernail matrix. This change occurs when your blood oxygen saturation reaches approximately 67%.

Using a Pulse Oximeter: Things to Know

The at-home finger meter is easy to use and gives fast results. But it also has limitations. Oxygen meters may have trouble reading your finger in some cases. According to the FDA, the accuracy of pulse oximeter readings can be affected by:

- Wet fingers
- Cold fingers
- Fingers with nail polish
- Use of nicotine
- Thick skin

A study of COVID-19 patients in Michigan found that patients with darker skin pigmentation stand a particular risk of false pulse oximeter readings. In that study, Black patients stood nearly three times the odds of having silent low oxygen saturation that was not detected by pulse oximeters.

Hypoxemia: Symptoms of Low Blood Oxygen Levels

Low blood oxygen cases often have few or no symptoms ("silent hypoxemia"). That is sometimes even true in serious cases of hypoxemia. Some people with low blood oxygen seem well. This is why if you have reason to suspect your oxygen saturation is low, it's helpful to have a pulse oximeter. As your oxygen saturation declines, you may begin to notice some of the following symptoms:

- Shortness of breath
- Rapid breathing
- Feeling too unwell to do daily activities

ALWAYS CONSULT WITH YOUR PHYSICIAN IF THERE IS ANY REASON FOR UNCERTAINTY