

PULSE OXIMETER

We are offer variety of medical equipment and health care product like Pulse Oximeter, Fingertip pulse Oximeter, Fetal pulse Oximeter, Handheld pulse Oximeter, Pediatric pulse Oximeter, Wrist band pulse Oximeter, Blood pressure monitor, Infusion pump, wheelchairs and walking aids etc.



PULSE OXIMETER MANUFACTURER

Sliverline Meditech Pvt. Ltd. main aim is a quality oriented approach in manufacturing our product.

Our whole quality associates keep an eye and every stage right from procurement of materials and components till the dispatch of finish products.



WHAT MEAN BY PULSE OXIMETER ?

An **Pulse Oximeter** that measures the proportion of oxygenated haemoglobin in the blood in pulsating vessels, especially the capillaries of the finger it is called of Pulse Oximeter.

Use of Pulse Oximeter :-

- I. **Pulse Oximeter** main used is to check oxygen level of body.
- II. It is mainly used to monitor the health of an individual with some type of condition that can affect blood oxygen levels especially when they are admitted in the hospitals.
- III. It include some condition like –
 1. Asthama
 2. Lung cancer
 3. Heart Attack
 4. Congenital Heart Diseases

DIFFERENT TYPE OF DIGITAL PULSE OXIMETER

There are 5 types of Digital Pulse Oximeter .

1. **Fingertip Pulse Oximeter**
2. **Fetal Pulse Oximeter**
3. **Hand held pulse Oximeter**
4. **Pediatric Pulse Oximeter**
5. **Wrist band pulse Oximeter**

FINGERTIP PULSE OXIMETER

Fingertip Pulse Oximeter is highly used by the patient healthcare professional and sports enthusiast. Its shape is like an alligator clip and has to be put on the pulse and earlobe. These come with the huge clear LED clear screen that gives out accurate SpO2 and pulse rate details within seconds. If there is any blood clot on the hand then this Pulse Oximeter will not give the perfect reading.



HANDHELD PULSE OXIMETER

Handheld Pulse Oximeter is the reading of blood oxygen saturation level and pulse rate is displayed on a monitor that is connected to the to main instrument with the help of cables.



HOW TO READ PULSE OXIMETER

Pulse Oximeter are devices highly used for measuring the amount of the oxygen in the blood by measuring a quantity known as oxygen Saturation or SpO₂.

- I. A SpO₂ of greater than 95% is generally considered to be normal
- II. A SpO₂ of less than 92% suggest hypoxemia.



BENEFITS OF PULSE OXIMETER:-

- I. **Pulse Oximetry** allows you to monitor vital signs continuously during research study or surgical procedures.
- II. No disturbance of physiology for occlusion or change in blood volume
- III. It can be measured with the simple clip that can be easily attached
- IV. Low cost
- V. Help to monitor oxygen saturation level in people under anesthesia



HOW TO WORK PULSE OXIMETER IN COVID-19

A **Pulse Oximeter** is measure the absorption of specific wavelength of light in oxygen hemoglobin as one is visible in the red beam, the other an invisible infrared beam from LED emitters set inside the device at one side of the finger tip. During this operation pulse oximetry reading a small clamp like device is placed on a finger or toe. A Small beam like light is passes through the blood in the finger measuring the amount of the oxygen. It is a painless process. Using these differences in the reading the blood oxygen content is calculated.



HOW DOES A PULSE OXIMETER MEASURE

The **oxygen saturation** of hemoglobin in arterial blood which is measure the average amount of the oxygen bound to each hemoglobin molecules. The Percentage saturation is given in the digital readout. The pulse rate in beats per unit averaged over 5 to 20 seconds.

Pulse Oximeter will not give any information related to like-

- The oxygen content of the blood
- The Cardiac output or blood pressure



CONTACT US



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