

PULSE OXIMETER POM - 09

SpO₂, also known as oxygen saturation, is a measure of the amount of oxygen-carrying hemoglobin in the blood relative to the amount of hemoglobin not carrying oxygen. The body needs there to be a certain level of oxygen in the blood or it will not function as efficiently. The test methods used to establish the SpO₂ accuracy is clinical testing.

The pulse oximeter completes the measurement of SpO₂ by using the absorbance to two light frequencies (red and IR) to automatically correct for the unknown volume of blood for each pulse. It is the ratio of the two absorbencies that indicates the %SpO₂



Product Specifications and Features:

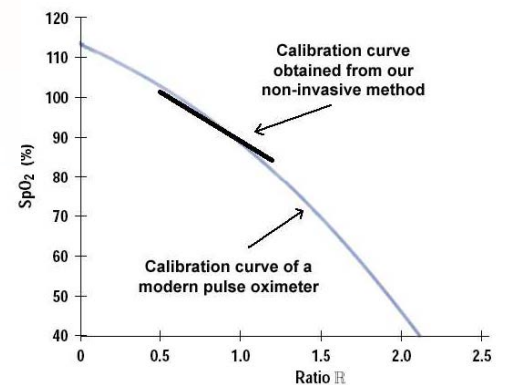
- Determines the Spo₂ (blood oxygen saturation levels) and pulse rates
- It is light and compact, accommodates a wide range of finger sizes with long battery life
- Pulse rate : Shows Pulse rate simultaneously with SpO₂
- Automatic power off : Shuts off when not used
- The oximeter is water-resistant (not waterproof)
- LCD Display : Yes
- Power Supply : 2 Nos AAA Battery
- Warranty : 1 Year
- Battery Life : (In Days):60
- Respose Time : (In sec):8
- Smart Features : Pulse Rate
- Range for SPO₂ : 70-100%
- SpO₂ accuracy : 91%--100%, ±1%; 70%--89%, ±2%; ≤70%, unspecified.
- Pulse rate : Range 30-254bpm - Accuracy: ±2% at 30-254bpm Storage temperature
- Storage humidity : 10% - 95% ...
- Operation temperature : 5°C to 40°C.
- Operation relative humidity : 35% - 75%

Directions For Use:

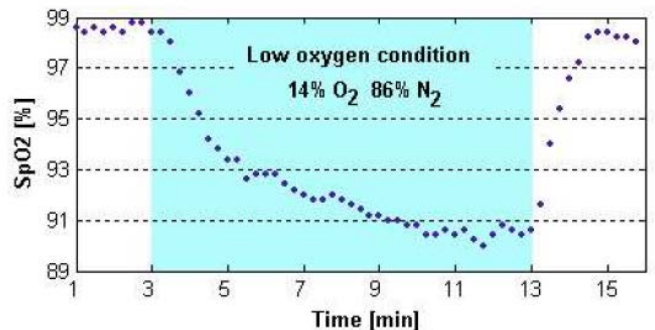
Use as per requirement or as directed by the physician.

Safety Information:

- Read the label carefully before use
- Store in a cool dry place away from direct sunlight
- Keep out of reach of the children
- Avoid physical damage
- Unit calibration displayed in bellow graphs



Graphically demonstrated calibration table



SpO₂ level of the subjects during the experiment

