



1. Select a suitable site for the sensor. The patient's Index finger is the preferred location. Alternative sites recommended are the thumb, large toe, or smaller finger.
2. Remove the adhesive backing from the sensor. Place the patient's digit nail-side up directly over the detector.
3. With the sensor positioning line running across the nail, wrap the bottom adhesive around the digit. Do not cover the nail.
4. Fold the sensor's top over the digit and align the light source directly opposite the detector.
5. Wrap the adhesive around the digit and secure with tape if necessary.
6. Connect the sensor cable to the monitor or to the patient cable and verify proper operation as described in the instrument's operator manual.

Indications

The sensor is indicated for use for continuous non-invasive or spot monitoring of functional oxygen saturation of arterial hemoglobin (SpO₂) and pulse rate for patients in hospitals, hospital-type facilities, mobile.

The sensor is indicated for single patient use only.

Patient weight

Recommended for use on patients weighing between 10kg and 50kg / 22lbs - 110lbs.

Accuracy

1. SpO₂ 70% - 100% SpO₂ ± 2 digits
< 70% SpO₂ : unspecified

Verified by clinical tests, where the measured values of the sensors were compared with those of the arterial co-oximetry in adult subjects over the specified SpO₂ range.

2. Pulse Rate 30 - 250 BPM : ±3 BPM

Storage temperature -20°C - +70°C

Operating temperature +5°C - +40°C

Symbols and indications



Warnings and precautions

1. This sensor is for use only with compatible monitors, instruments, or oximetry modules. Use of this sensor with instruments other than compatibles may result in improper performance.
2. Verify proper operation before use.
3. Operations may be affected in the presence of strong electromagnetic sources such as electrosurgery equipment.
4. The product is not recommended for use in the presence of imaging equipment such as Magnetic Resonance Imaging (MRI) and Computed Tomography (CT) devices, etc.
5. Do not autoclave or immerse in liquid of any kind. Do not sterilize with ETO.
6. Do not stretch the adhesive tape too tight to assure that the blood-circulation is not restricted.
7. If the sensor is damaged in any way, discontinue use immediately.
8. Operation may be affected in the presence of high ambient light (also because of IR and UV light). Shield the sensor area with a surgical towel if necessary.
9. Check and reposition the sensor to an alternate location every 4 hours.
10. Intravascular dyes may interfere with performance of the sensor and the monitor which may cause inaccurate measurements.
11. The performance of the sensor and the monitor may be compromised by excessive motion. To decrease this motion, make a loop with the sensor cable and secure it to the patient using tape.
12. Fingernail polish or an artificial fingernail can cause inaccurate SpO₂ readings.
13. Refer to the monitor's operations manual for additional cautions and warnings.
14. Significant levels of dysfunctional hemoglobin's, such as Carboxyhemoglobin or Methemoglobin will affect the accuracy of the oxygen measurement.
15. Application of the sensor to edematous or fragile tissue must be avoided.
16. Venous pulsations that could potentially lead to inaccurate saturation measurements may be caused when the sensor is wrapped too tightly or supplemental tape is applied.



Sensatronic GmbH

Am Ring 9
23970 Wismar
Germany



Shenzhen Envisen Industry Co. Ltd.
2nd Floor, Block 1, 40 Jianlong Street,
Baoan Community, Heng Gang Town,
Longgang District Shenzhen, China



Disposable SpO₂ Sensor pediatric
Model: DP-2231 Nonin compatible
Type: 7-PP-VM (Plaster)

