Introduction

Name: Reusable SpO2 Sensor with Disposable Wrap

Model Number: 15040059

Compatibility: CMI PC-66 series ONLY

Components: It consists of 2 parts.
1. Reusable rubber sensor
2. Single user disposable velcro wrap

Recommended Patients: Pediatric (weight 33 lbs to 88 lbs, age > 3 years), Infant (weight 6.6 lbs to 33 lbs, age from 6 months to 3 years).

Life Expectancy: 3 months for the reusable part.

Attentions

⚠️ The operation of this sensor can ONLY be performed by the trained personnel. Different measuring position should be chosen for different patient type, forefinger (circumference > 1.4 inches) is preferred for pediatric and big toe (circumference < 2.3 inches) is preferred for infant.

⚠️ When applying this sensor on infant, the self-adhesive tape is recommended to be used for wrapping on the sole to fix the sensor cable.

⚠️ Make sure the light emitting end aims at the bottom of the nail, and wrapping is done with proper tightness.

⚠️ Make sure the measured finger or toe nail has no cosmetic painting (e.g. nail polisher), otherwise the measurement might be inaccurate or not produce readings.

⚠️ High emission of surrounding light sources, such as fluorescent light, ruby lamp, infrared heating lamp, and direct sunlight, can affect the measuring results.

⚠️ Excessive patient movement and the interference from an electro-surgical unit can also affect the measuring accuracy.

Specifications

SpO2 measuring range: 35%~100%
SpO2 measuring accuracy: $A_{\text{mm}}$ value (defined in ISO 9919 / ISO 80601-2-61) is not greater than 3% in the range of 70%~100%.
Pulse Rate measuring range: 30bpm~250bpm
Pulse Rate measuring accuracy: ±2bpm or ±2%, whichever is greater.
Wavelength: Red light: 663nm, Infrared light: 890nm

Instructions

It is intended to be used with a compatible pulse oximeter or capnography with oximetry function for measuring the functional oxygen saturation (SpO2) and pulse rate.

Warnings

⚠️ This sensor should be used together with the compatible oximetry device, otherwise the sensor may not work or the measurement will be inaccurate.

⚠️ Although the biocompatibility evaluation has been performed on this sensor, some exceptional allergic patients may still have anaphylaxis. Do Not apply this sensor to those who has anaphylaxis.

⚠️ Change measuring site every 2 or 3 hours. When the ambient temperature is over 95 F, change the measuring site every 2 hours. When the ambient temperature is over 98.6 F, STOP using this sensor on the patient, since long term use of measurement can cause serious scalding or burn injury.

⚠️ The measuring site must be examined more carefully for special patients. Do not place the SpO2 sensor on the site with edema or fragile tissue is present.

⚠️ Misapplication of the sensor with excessive pressure for prolonged periods can induce pressure injury.

⚠️ Check the integrity of the sensor before use, discard and replace the sensor if any part of it is damaged.

Warranty

CMI offers 3 months warranty against manufacturing defects for the reusable part of this product, in its undamaged condition.

Note: This sensor is compatible only with oximeter and capnography sold by Creative Medical International or the CMI Store. Other information about this sensor, please refer to the user manual of its compatible device.

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