Multiple-Use SpO$_2$ Sensor
Directions for use

Introduction

Product Name: SpO$_2$ Sensor with L-type Wrapper
Product Model: KS-LW02
Conformation: It consists of light emitting diode, photo-detector, silicone rubber, non-woven cloth strip, cable and connector.
Applicable Patients: Pediatric (weight 15kg~40kg), Infant (weight 3kg~15kg) and Neonate (weight < 3kg).

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 is preferred for pediatric, big toe is for infant, and sole is for neonate respectively.
- When applying this sensor on infant and neonate, the self-adhesive tape is recommended to be used for wrapping on the sole or ankle to fix the sensor cable.
- Make sure the light emitting and receiving end are aimed each other, and wrapping is done with proper tightness
- Make sure the measured finger or toe nail has not any cosmetic painting (e.g. nail polisher), otherwise the measurement might be inaccurate or no 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 electro-surgical unit can also affect the measuring accuracy.

Specifications

SpO$_2$ measuring accuracy: A$_{rms}$ 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.

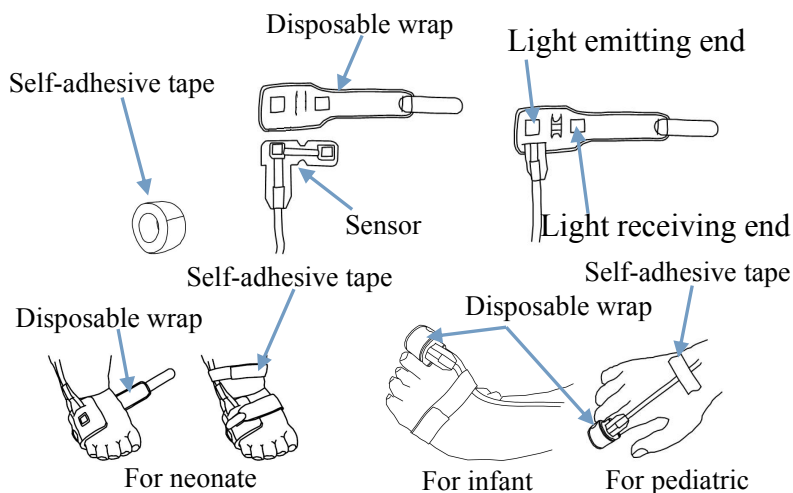Wavelength: Red light: 663nm, Infrared light: 890nm

SN: Serial number; $C\epsilon_{0123}$: CE mark;   Do not litter at will;   Refer to the accompanying documents

Intended Use

It is intended to be used with a compatible pulse oximeter or patient monitor with oximetry function for measuring the functional oxygen saturation (SpO$_2$) and pulse rate.

For neonate   For infant   For pediatric

Note: for measuring on different limb, we provide two disposable wraps in different length.

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 35℃, change the measuring site every 2 hours. When the ambient temperature is over 37℃, STOP using this sensor on the patient, since long term of measurement can cause serious scalding or burn injury.
- The measuring site must be examined more carefully for some special patient. Do not place the SpO$_2$ sensor on the site with edema or fragile issue.
- 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.

Notes: ①For the device designed with auto power on function, in the situation of ambient light illumination on the sensors, the readings may probably be lasting for a while after stopping the measurement. In rare case, the device automatically turns on. Please disconnect the sensor or wrap it up to avoid ambient light after measurement.

②This SpO$_2$ sensor is compatible with patient monitors and oximeters produced by Shenzhen Creative Industry Co., Ltd. Other information about this sensor, please refer to the user manual of its compatible device (patient monitor or of oximeter).