

**Product Code . ILS-MDE-11541**

## **Handheld Pulse Oximeter Incl. Respiratory**



### **Description**

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#### **FEATURES**

Design enables use in demanding environments, e.g. shock, vibration

Suitable for detection in low perfusion conditions down to perfusion index of 0.1%.

Automatic correction for movement and ambient light artefacts

Audible and visual alarms for sensor error or disconnected, system errors, low battery.

#### **CASING**

Enclosure protection.

Overall device and probe weight < 300 g.

Case and probe suitable for cleaning and disinfection with hospital-grade cleaning products.

#### **ELECTRICAL CHARACTERISTICS**

Protection against defibrillator discharges.

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Suitable for operation by battery and by mains power supply, if connected and/or recharging.

Operated by rechargeable, non-replaceable Li-ion battery, power supply

External AC battery charger, plug style and voltage as per local supply.

Automatic switch between battery and mains powered modes, when recharging or in mains power failure.

Automatic power-off after period of no use.

The display shows which power source is in use.

Running time on battery only ? 20 hours.

## **ENVIRONMENTAL CONDITIONS**

**Storage conditions:** 0 to 50 deg C, 10 to 95% relative humidity non-condensing

**Operating conditions:** 5 to 40 deg C, 10 to 90 % relative humidity non-condensing

## **DESCRIPTION**

Handheld, portable, battery powered pulse oximeter, displaying patient oxygen saturation (SpO<sub>2</sub>), pulse rate and respiratory rate in real time.

## **SPECIFICATIONS:**

### **MEASUREMENT**

**SpO<sub>2</sub> resolution:** 1 %.

SpO<sub>2</sub>, pulse rate and respiratory rate monitor, for children, neonates and adults.

**Pulse Rate detection includes the range:** 30 - 240 bpm.

**SpO<sub>2</sub> detection includes the range:** 70 - 100 %.

SpO<sub>2</sub> accuracy (in the range at least 70 - 100%): within  $\pm 2\%$  in ideal conditions in adults, and within  $\pm 3\%$  for all patients and perfusion / movement conditions.

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Respiratory rate includes the range 5 to 80 rpm.

**Pulse Rate resolution:** 1 bpm.

Pulse Rate accuracy within  $\pm 3$  bpm in ideal conditions.

Respiratory rate accuracy within  $\pm 2$  rpm in ideal conditions

**Respiratory rate resolution:** 1 rpm

## DISPLAY

Display indicates high and normal respiratory rate count for inputted age.

Patient age group input feature.

Data display refresh rate ? 5 s




Display with main parameters: %SpO<sub>2</sub>, pulse rate, respiratory rate, signal quality, status messages, battery state indication.

Display indicates when SpO<sub>2</sub> < 90% (hypoxaemia per WHO guidelines.)

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