



THE LAB EQUIPMENT

Email : sales@thelabequipment.com

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Product Name :

Handheld Pulse Oximeter Incl.
Respiratory

Product Code :

SLE/MDE/15





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Description :

DESCRIPTION

Handheld, portable, battery powered pulse oximeter, displaying patient oxygen saturation (SpO₂), pulse rate and respiratory rate in real time.

SPECIFICATIONS:

MEASUREMENT

SpO₂ resolution: 1 %.

SpO₂, pulse rate and respiratory rate monitor, for children, neonates and adults.

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

SpO₂ detection includes the range: 70 - 100 %.

SpO₂ 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.

Respiratory rate includes the range 5 to 80 rpm.

Pulse Rate resolution: 1 bpm.

Pulse Rate accuracy within ± 3 bpm in ideal conditions.

Respiratory rate accuracy within ± 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: %SpO₂, pulse rate, respiratory rate, signal quality, status messages, battery state indication.

Display indicates when SpO₂ < 90% (hypoxaemia per WHO guidelines.)

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.

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.

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ENV

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