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Product Name :

Handheld Pulse Oximeter Incl. Respiratory

Product Code :

SLE/MDE/15



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Description :

Handheld Pulse Oximeter Incl. Respiratory (Product Code: SLE/MDE/15) is a portable, battery-powered monitor used to measure oxygen saturation (SpO2), pulse rate and respiratory rate in real time for neonates, children and adults in clinics, wards and outreach services. It reads SpO2 from 70–100 % and respiratory rate from 5–80 breaths per minute, and flags readings below 90% SpO2. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala,India, a laboratory instruments supplier in India that also equips hospitals.

Specifications

Parameter	Detail
Type	Handheld, portable, battery-powered pulse oximeter with respiratory rate
Patients	Neonates, children and adults; patient age group input
SpO2 range /resolution	70–100 %; 1 %
SpO2 accuracy (70–100 %)	Within ± 2 % in ideal conditions in adults; within ± 3 % for all patients and perfusion/movement conditions
Pulse rate range / resolution / accuracy	30–240 bpm; 1 bpm; ± 3 bpm in ideal conditions
Respiratory rate range / resolution / accuracy	5–80 rpm; 1 rpm; ± 2 rpm in ideal conditions
Display	%SpO2, pulse rate, respiratory rate, signal quality, status messages, battery state and power source in use; high/normal respiratory rate for the age entered; indication when SpO2 is below 90 % (hypoxaemia); refresh rate 5 s or faster
Low perfusion	Suitable down to a perfusion index of 0.1 %
Signal processing	Automatic correction for movement and ambient light artefacts
Alarms	Audible and visual: sensor error or disconnection, system errors, low battery
Construction	Designed for demanding environments (e.g. shock, vibration); enclosure protection; device and probe together under 300 g; case and probe can be cleaned and disinfected with hospital-grade cleaning products
Electrical protection	Protection against defibrillator discharges
Power	Rechargeable, non-replaceable Li-ion battery; external AC charger (plug style and voltage as per local supply); battery or mains operation with automatic switch-over; automatic power-off after a period of no use
Battery running time	20 hours or more
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Inclu	