GE Datex Ohmeda TuffSat
Pulse Oximeter

Equipment for the way *you* operate

Designed to deliver accurate SpO2 readings in mobile, fast-paced environments

The TuffSat is a small, durable, portable pulse oximeter that operates on battery power. It is designed specifically for spot-checking arterial oxygen saturation (SpO2) and pulse rate. This easy-to-use oximeter is ideal for use in the following environments: respiratory care, subcritical care for hospital satellite locations, home care, prehospital / EMS, rehabilitation, physician's office.

Features

- Lightweight, ergonomic design with rubber grip for easy handling.
- Clear display for quick readings in the field.
- Relative Perfusion Index (Plr®) helps ensure best probe placement, saving time and increasing accuracy.
- Battery-operated unit requires four 1.5V alkaline AA batteries.
- TruTrak data sampling system enables the TuffSat to calculate SpO2 many times each second for reliable readings during times of low perfusion, motion or electrical interference.
- Low battery indicator.
- Comes standard with neoprene carrying case with belt clip.

Specifications:

Physical

- Dimensions: 6 in (15 cm) x 2.8 in (7 cm) x 1.2 in (3 cm)
- Weight: 9 oz (257 g)

Environmental

- Operating Temperature: -10 to 60° C (14 to 140°F)
- Operating Relative Humidity: 20 to 95%
- Operating Atmospheric Pressure: 1060 to 697 hPa
- Operating Approximate Elevation: -378 to 3048 m (-1240 to 10,000 ft.)
- Transport Temperature: -40 to 70° C (-40 to 158°F)
- Transport Relative Humidity: 5 to 95%
- Transport Atmospheric Pressure: 1060 to 188 hPa
- Transport Approximate Elevation: -378 to 12.2 km (-1240 to 40,000 ft.)

SpO2

- Calibration: functional
- Range: 0 to 100%
- Accuracy: 70 to 100% ± 2 digits | below 70% unspecified
- First reading (full accuracy): ≤ 12 seconds
- Resolution: 1%

Sensors

- Red LED peak wavelength range: 650 to 670 nm
- Infrared (IR) LED peak wavelength range: 930 to 950 nm
- Average power: ≤ 1 mW

Pulse Rate

- Range: 40 to 255 beats per minute (bpm)
- Accuracy: 40 to 100: ± 2 bpm | 100 to 255: ±%
- First reading (full accuracy): ≤12 seconds
- Resolution: 1 bpm

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