

## Medical

Pulse Oximetry module for  
The SuperSpiro Spirometer

The Pulse Oximetry module combines a high quality oximeter/sensor combination in a single unit that plugs directly into the SuperSpiro diagnostic Spirometer. The device will make quick assessments and continuous measurements (up to 60 minutes) of Oxygen Saturation (SpO<sub>2</sub>) and heart rate (bpm) which are displayed on a high resolution colour touch-screen.

The pulse waveforms are continuously displayed in green, yellow or red. An optional audible warning of signal quality is provided to ensure that abnormal saturation, heart rates and pulse artefact are immediately indicated.

Analysis of the results from a continuous test is also possible and printout formats, both internal and direct A4 are selectable.

The instrument makes Pulse Oximetry quick and simple in supporting other respiratory investigations, vital in the management of COPD and other cardio respiratory disease.



## Features

- Oxygen Saturation (SpO<sub>2</sub>)
- Heart Rate
- Quick assessment and continuous measurements
- Textual test quality assurance warnings
- Audible warning of abnormal saturation levels and heart rates
- Internal and direct external, result and trend printouts

## Specifications

### Pulse Oximetry Probe

#### Measurement Wavelengths

Red	660 nanometers
Infrared	910 nanometers

#### Accuracy

Blood Oxygen Saturation (%SpO <sub>2</sub> ) (±1 S.D.)	70-100% ± 2 digits
Pulse Rate	±3% ±1 digit

#### Temperature

Operating	0° to +50°C
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#### Patient Isolation

Greater than 12 Mohm

#### Dimensions

32 x 32 x 51 mm

#### Weight

50g (with 1m cable)

### Pulse Oximetry Module

#### Measurements

% SpO <sub>2</sub>	0% to 100%
Heart Rate (bpm)	18-300

#### Test Recording Time

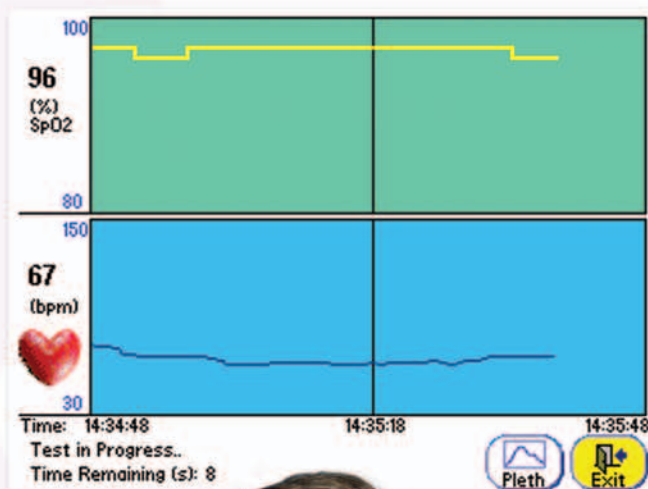
20s - 60mins

#### Data Recording

SpO <sub>2</sub>	3x %SpO <sub>2</sub> per sec
bpm	3x HR per sec

#### Views

Plethysmographic  
Heart Rate  
% SpO<sub>2</sub>



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