

PEARL8

Handheld Pulse Oximeter

SpO₂
Pulse



Features

- Reliable measurement of SpO₂ and pulse rate
- High quality and brilliant contrast TFT screen
- Can be used on adults, children and neonates
- Trend and waveform display on TFT screen
- Displays pulse bar graph and perfusion index
- Adjustable alarm limits, visible and audible alarms
- Saturation dependent pulse tone with adjustable volume
- Infrared interface for thermal printer

PEARL8

Handheld Pulse Oximeter



The PEARL8 Pulse Oximeter with its new digital signal processing technology works reliably and can be used from neonate to adult. It features a bright, crisp TFT display which is easily readable. Background colour can be selected to be white or black. The other colours automatically adjust to this setting for an optimized contrast.

With its integrated alarms, the device can also be used for monitoring a patient.

The screen can be set to three different modes: Large numerical, numerical-waveform and numerical-trend.

Applications

- Patient monitoring
- Sleep apnea screening
- Spot checks



Medlab medizinische Diagnosegeräte GmbH, Germany
Helmholtzstrasse 1a, 76297 Stutensee
Tel. +49 (0) 7244 74110-0, FAX +49 (0) 7244 74110-28
sales@medlab.eu, www.medlab.eu

medlab
medizinische Diagnosegeräte GmbH

Technical Data

Pulse Oximeter:

SpO₂:

Measuring range: 0 ... 100 % SpO₂
Averaging SpO₂: strong, normal or low
(20, 10, 5 seconds)
Display range: 0 ... 99 % SpO₂
Accuracy: No artefacts, normal perfusion
+/- 2 % (70-100 %)
Movement artefacts
+/- 3 % (70-100%)
Low perfusion
+/- 3 % (70-100 %)
(not specified below 70 %)

Pulse rate:

Measuring range: 30 ... 250 min⁻¹
Display range: 30 ... 249 min⁻¹
Accuracy: +/- 3 min⁻¹
Alarms: Adjustable alarms for SpO₂ and pulse rate, low battery, probe disconnected/ not attached to patient

Device:

Dimensions: 122 x 65 x 22 mm
Weight: approx. 140 g
Operating temp.: 0 ... 40 °C
Storage temp.: -25 ... 65 °C
Power supply: two 1.5V AA batteries (IEC LR06)
Battery life: approx. 22 h (at 60 % TFT brightness)
Power consumption: 350 mW with full backlight
Display: 62 mm TFT screen
Brightness: 20 ... 100 %, „Auto“ mode available
Memory: 55 h internally (opt. 110h)
Memory resolution: One data sample pair every 6 sec.
Interface: IR printer interface

Accessories:

00201	Protection bag
00110	Thermal printer with IR interface
00139	Fixation for infusion pole
00141	Fixation for anesthesia rail
00310	Probe extension cable (120 cm)
02821	Rubber protection boot with stand

All Medlab PEARL SpO₂ probes
(see separate brochure)

Delivery:

Pulse Oximeter PEARL8	55h memory (02800) opt. 110h memory (02810)
Two AA batteries	
Fingerclip probe P-200, reusable	
Operating instructions	