

# PEARL5

## Handheld Pulse Oximeter

SpO<sub>2</sub>  
Pulse

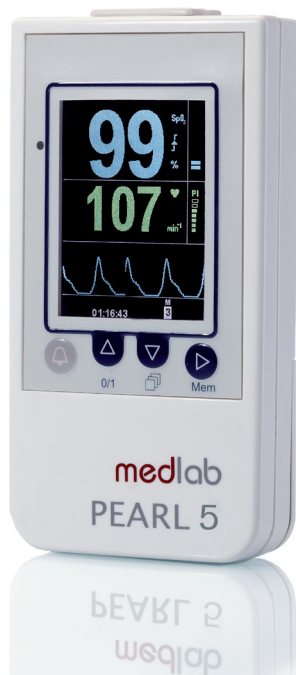


### Features

- Reliable measurement of SpO<sub>2</sub> and pulse rate
- High quality and brilliant contrast TFT screen
- Can be used on adults, children and neonates
- Trend and plethysmogram display on TFT screen
- Displays pulse bar and perfusion index
- Saturation dependent pulse tone with adjustable volume
- Infrared interface for thermal printer
- Housing made of antimicrobially treated plastic

# PEARL5

## Handheld Pulse Oximeter



The PEARL5 Pulse Oximeter with its new digital signal processing technology works reliably and can be used from infant to adult.

It features a bright, crisp TFT display which is easily readable. The standard display can be set to three different modes: Large numerical, numerical-waveform and numerical-trend.

The housing is made of a compound of high quality plastic and an additive based on silver ion technology, which reduces bacteria growth on the device's surface.

## Applications

- Spot checks
- Sleep apnea screening



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:

#### SpO<sub>2</sub>:

Measuring range: 0 ... 100 % SpO<sub>2</sub>  
Averaging SpO<sub>2</sub>: strong, normal or low  
Display range: 0 ... 99 % SpO<sub>2</sub>  
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<sup>-1</sup>  
Display range: 30 ... 249 min<sup>-1</sup>  
Accuracy: +/- 3 min<sup>-1</sup>

### 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 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  
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 SpO<sub>2</sub> probes  
(see separate brochure)

### Delivery:

Pulse Oximeter PEARL5 (02500)  
Two AA batteries  
Fingerclip probe P-200, reusable  
Operating instructions