

# PEARL 5

Handheld  
Pulse Oximeter with  
TFT Screen

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

**medlab**  
medizinische Diagnosegeräte GmbH

# PEARL 5

## Digital Handheld Pulse Oximeter



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

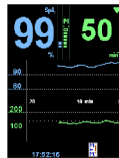
It features a bright, crisp TFT display which is easily readable.

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

- Sleep apnea screening
- Homecare
- Spot checks



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## 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>

Accuracy: +/- 3 min<sup>-1</sup>

### Device:

Dimensions: 122 x 65 x 22 mm

Weight: approx. 140 g

Operating temp.: -20 ... 45 °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	Carrying pouch
00110	Thermal printer with IR interface
00139	Fixation for infusion pole
00141	Fixation for anesthesia rail
00310	Probe extension cable (120 cm)
00148	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