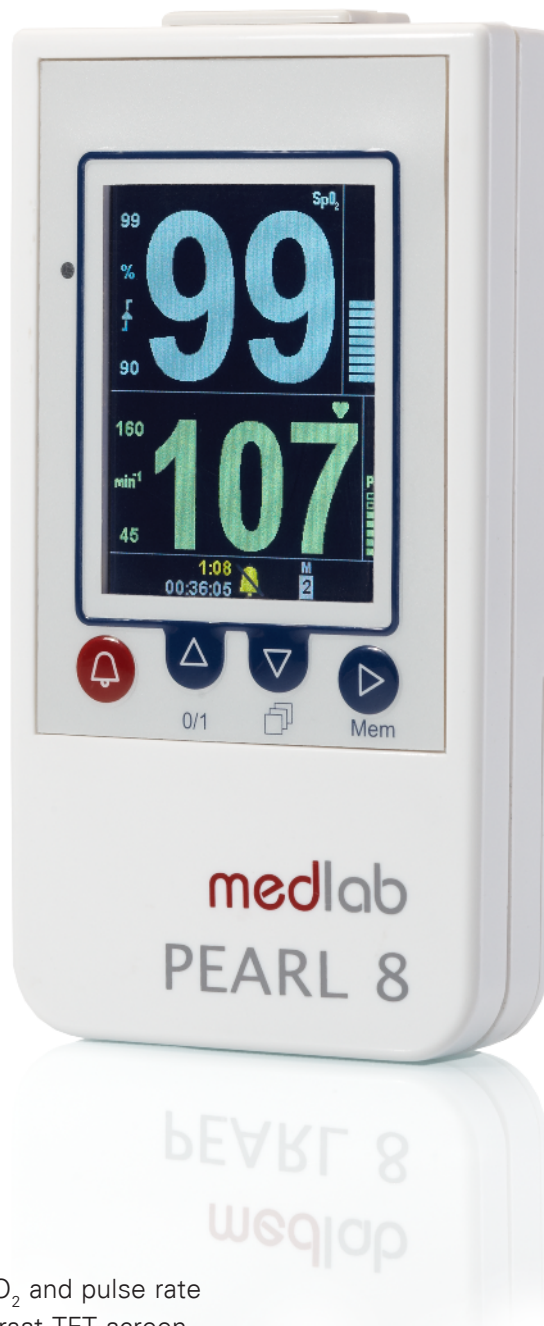


# PEARL 8

Handheld  
Pulse Oximeter with  
TFT Screen

SpO<sub>2</sub>  
Pulse

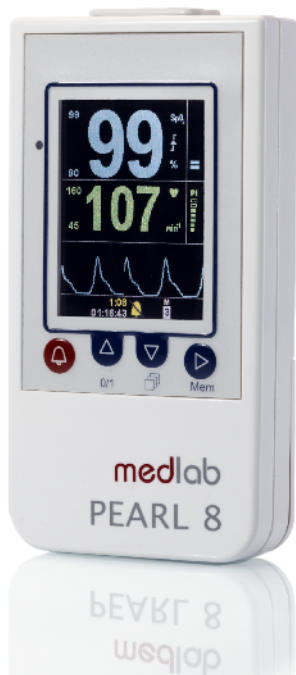


## Features

- Reliable measurement of SpO<sub>2</sub> and pulse rate
- High quality and brilliant contrast TFT screen
- Can be used on adults, children and infants
- Trend and waveform display on TFT screen
- Adjustable alarm limits, visible and audible alarms
- Saturation dependent pulse tone with adjustable volume
- Infrared interface for thermal printer
- Housing made of antimicrobially treated plastic

# PEARL 8

## Digital Handheld Pulse Oximeter



The PEARL8 Pulse Oximeter with its new digital signal processing technology works reliably and can be used from infant to adult.

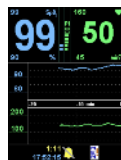
It features a bright, crisp TFT display which is easily readable. With its integrated alarms the device allows for monitoring a patient.

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

- Patient monitoring
- Sleep apnea screening
- Homecare
- Spot checks



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medizinische Diagnosegeräte GmbH

## Technical Data

### Pulse Oximeter:

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

Measuring range: 0 ... 100 % SpO<sub>2</sub>  
Display range: 0 ... 99 % SpO<sub>2</sub>  
Accuracy: adults +/- 2 % (70-100 %)  
infants +/- 3 % (70-100 %)  
(not specified below 70 %)

#### Pulse rate:

Measuring range: 30 ... 250 min<sup>-1</sup>  
Accuracy: +/- 1 %  
Averaging SpO<sub>2</sub>: 10, 20 or 30 seconds  
Alarms: Adjustable alarms for SpO<sub>2</sub> and pulse rate, low battery, probe disconnected

### Device:

Dimensions: 130 x 65 x 22 mm  
Weight: approx. 130 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)

All Medlab PEARL SpO<sub>2</sub> probes  
(see separate brochure)

### Delivery:

Pulse oximeter PEARL8 (02800)  
Two AA batteries  
Fingerclip probe P-200, reusable  
Operating instructions