

# 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

# 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.

## Applications

- Spot checks
- Sleep apnea screening



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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>  
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  
Two AA batteries  
Fingerclip probe P-200, reusable  
Operating instructions