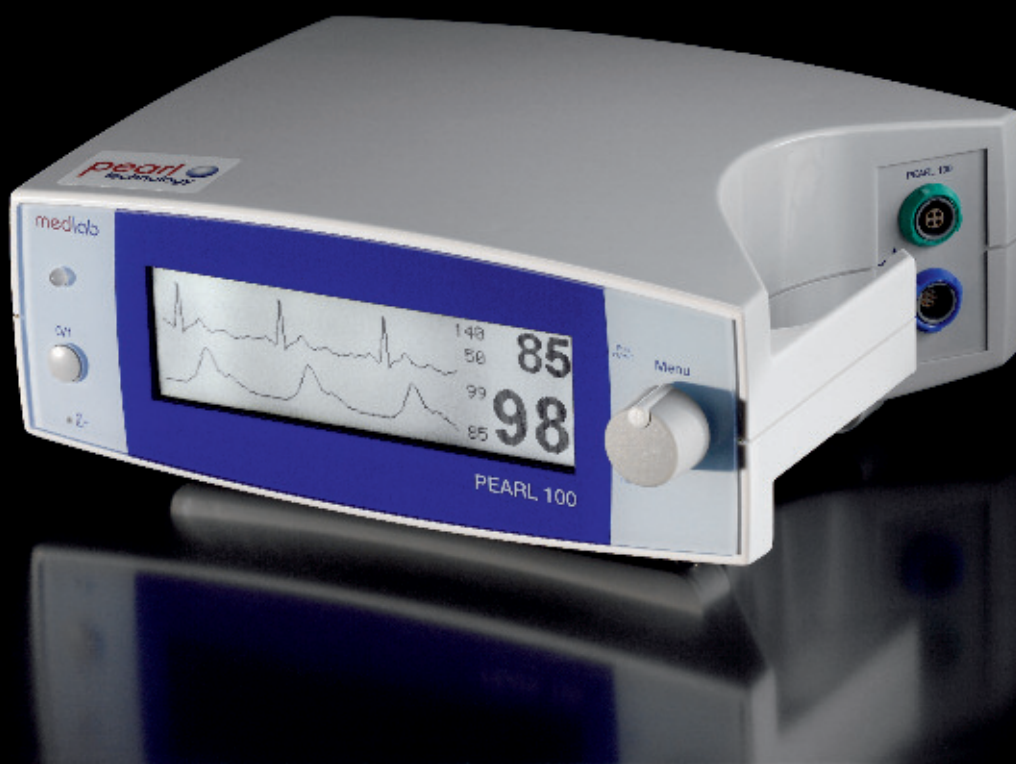


# PEARL 100 PEARL 100L

Reliable and Accurate!

pearl  
technology



## Features

- Lightweight, compact and attractive design
- Medlab PEARL Technology
- Innovative algorithm for excellent performance during artefact periods and on low perfused patients
- Plethysmogram, alternatively numerical screen
- Rechargeable battery integrated
- Designed for neonates, infants and adults
- Full alarm system
- Trend display for pulse and SpO<sub>2</sub>
- One channel ECG (only PEARL 100)

Information:

[www.medlab-gmbh.de](http://www.medlab-gmbh.de)

SpO<sub>2</sub>  
ECG

medlab  
medizinische Diagnosegeräte GmbH

# PEARL 100 PEARL 100L

## Digital Pulse Oximeter with ECG (Option)

The PEARL 100 table top pulse oximeter is the first device on the market that uses Medlab's „PEARL“ technology. „PEARL“ stands for „Pulse Enhancement Artefact Rejection Logic“, meaning an algorithm that amplifies real pulses and suppresses artefacts. The PEARL 100 uses most advanced digital signal processing technologies to work reliably even under the most challenging conditions: low perfused patients and during high patient movement.

The new PEARL 100 can be used in the most demanding environments, for example in neonatology - and in intensive care departments as well as during transport and in emergency cases.

Flip feet on front and back allow you to adjust the viewing angle for improved readability in any situation.

The device is available with a one channel ECG (PEARL100) or without ECG (PEARL100L).



### Technical Data

Measurement range:	0..100% SpO <sub>2</sub> , 30-250 bpm Pulse	Alarms:	Adjustable audible and visual alarms for high and low saturation and pulse rate
Accuracy SpO <sub>2</sub> :	Adults +/-2% at 70-99% Children +/- 3% at 70-99% Motion +/- 2% at 70-99%	Delivery:	PEARL 100L: Reusable fingerclip sensor, patient- and mains cable,user manual.
Accuracy pulse:	not specified for lower values		PEARL 100: Reusable fingerclip sensor, patient- and mains cable, ECG patient cable, user manual.
Dimensions:	+/-1%, +/- 1 beat Pulse frequency approx. 225 x 175 x 80 mm	Optional:	Carrying bag, clamp for infusion pole, transceiver for the POX·Net system, different types of SpO <sub>2</sub> probes.
Weight:	approx. 1650 g		
Batteries:	Integrated NiMH battery, 6V 1700mAh		
Mains:	220/240VAC und 110/115VAC		
Energy consumption:	1200 mW		
Battery operation:	approx. 5h		
Sensors:	All PEARL sensors of the Medlab program, the SpO <sub>2</sub> probes are compatible with the hospital standard.		



Large numerical screen for easy surveillance of the patient's vital parameters.



PEARL adult fingerclip sensor.



POXNet System - Central Monitoring for SpO<sub>2</sub> and Pulse with wireless transmission.



Transmitter for the POX·Net.

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