



medical **ECONET**
GERMANY

Palmcare PRO

Accurate pulse oximeter for all age groups



High-performance handheld pulse oximeter

Pulse oximetry is a method for monitoring a person's oxygen saturation. This method is safe, convenient, non-invasive, and inexpensive, which helps to measure oxygen saturation in clinical use.

Palmcare Pro pulse oximeter comes with a bright full-color display that shows the oxygen saturation percentage, PI, and pulse rate. The device can also be operated for up to 10 hours after being charged. Users can take your pick from four display modes, so getting the information you need when a user needs it is a breeze. The audible and visual alarm feature in this SpO2 monitor is useful to let you know the test is complete.

The device can support all ages measurements such as adult, pediatric, and neonate by changing the appropriate sensor type. A sensor is placed on a thin part of the patient's body, usually a fingertip or earlobe, or in the case of an infant, across a foot.

Features and Benefits

- Measures oxygen saturation and pulse rate
- Support all ages such as adult, pediatric and neonate by changing appropriate probe type
- Display of SpO2, pulse rate, pulse waveform, alarm limits, alarm status, perfusion index, battery status and trend memory
- Trace the curve Plethysmograph and numeric parameters
- Color 3" TFT LCD (240 x 400)
- Perfusion Index (PI)
- Four Different screen modes
- Graphical and Tabular Trend
- Up to 10 hours operation time
- With Alkaline (disposable) or Li-ion (rechargeable) batteries
- PC monitoring S/W (option)
- IV Pole clamp (option)
- Audible and visual alarm
- Alarm limits adjustable
- 20 days trend
- Multi-language support
- Available external mobile printer (option)
- incl. SpO2 sensor for adults, protective cover and 4 AA batteries, user manual

Palmcare PRO

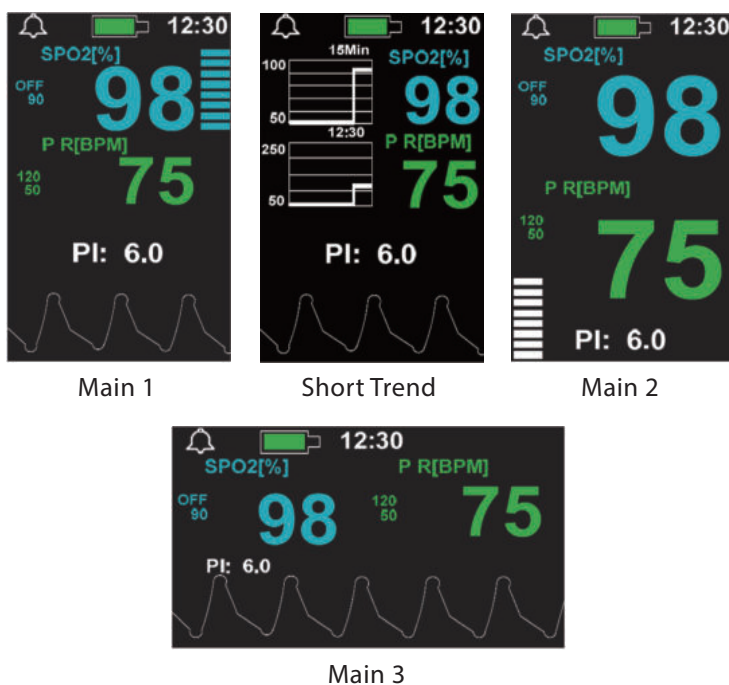
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The components of Palmcare PRO



- ① Buzzer
- ② DC Power Input Port
- ③ RS-232 Port
- ④ Alarm Paused Button
- ⑤ Touch Key Control Button
- ⑥ Speaker
- ⑦ SpO₂ Measurement Display
- ⑧ Power Button
- ⑨ DC Power Usage Indicator
- ⑩ Battery Status Indicator
- ⑪ SpO₂ Probe Port

4 different screen modes



Dimension



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Specifications

Dimension

Size:	154 (W) x 26 (D) x 72 (H) mm
Weight:	Main: 273 g Power module : 100 g

Display

Type:	3" TFT LCD, 240 x 400 dots
Dot pitch:	0.53 mm
Displayed data:	SpO ₂ , pulse rate, SpO ₂ limits, pulse rate limits, waveform, alarm status, trend, battery status, current time
Indicators:	AC power or battery operated indicators

Trend Memory

Type:	SpO ₂ and pulse rate (20 days trend memory 10 sec)
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Measurement Range

Pulse rate:	30 bpm to 250bpm
% SpO ₂ :	0 % to 100 %

Saturation Accuracy

Saturation:	70 % to 100 %
Adults, Pediatrics :	±2 digits
Neonates :	±3 digits

Pulse Rate Accuracy

Pulse rate:	30 bpm to 250bpm
Adults, Pediatrics,	
Neonates:	±3 digits

Resolution

Saturation (% SpO ₂):	1%
Pulse rate:	1 bpm

Perfusion Index (PI)

Range:	0.05 % to 20 %
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Alarms

Indicators:	Low SpO ₂ and pulse rate, system failure, low battery, Finger off.
Type:	The alarm will sound and a message will appear on the LCD.
Alarm limit:	HR: 30 bpm to 250 bpm SpO ₂ : 0 % to 100 %

SpO₂ Sensor Light Source

Wave length:	Infrared: 905 nm (nominal) Red: 660 nm (nominal)
Power dissipation:	Infrared: 100 mW (max) Red: 100 mW (max)

Power

- **Main machine**
 - Input: +9 Vdc, 1.7 A
 - Power consumption: 9 VA (max)
 - Fuse rating: 4A, 250V
- **Alkaline battery**
 - Type: 4 AA Alkaline Batteries (4 X 1.5V)
 - Capacity: Up to 10 hours
- **Rechargeable battery**
 - Type: Lithium Ion Rechargeable Battery
 - Capacity: Up to 8 hours
 - Charging time: 6 hours
- **Adapter**
 - Input: 100-240Vac, 50-60Hz, 1.0A
 - Output: +9 Vdc, 3.34 A
 - Charging time: 6 hours

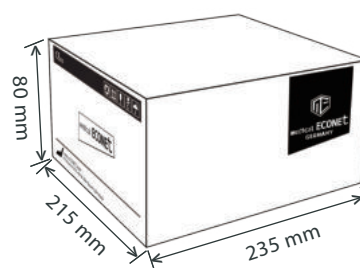
Environment

Operating temperature:	5 °C to 35 °C
Storage temperature:	-20 °C to 70 °C
Operating humidity:	5 % to 95 %
Operating Altitude:	0 m ~ 2.000 m
Air pressure:	80 kPa ~ 106 kPa

Accessories

Standard:	Adult reusable SpO ₂ sensor	1 ea
	AA Alkaline battery	4 ea
	User's manual	1 ea
	Protective cover	1 ea
Optional:	SpO ₂ sensor (Pediatric, neonate)	
	SpO ₂ extension cable	
	External mobile printer	
	PC software	
	IV POLE CLAMP	

Packaging



Approx. 0.8 kg

ver. 002

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Distributor

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