

PALMCARE **plus**

Hand-Held Pulse oximeter

The most economical, high performance and easy to use pulse oximeter. PalmCare plus is the inevitable conclusion among the versatile handheld pulse oximeter.

Compact, Convenient, Cost-effective

PalmCare plus is developed as a solution for both clinicians and patients. It is enough to be used in hospitals and ambulances. It provides high advanced monitoring technology with maximum user friendliness.

Simple yet powerful

PalmCare plus provides fast & reliable SpO2, Waveform, HR, Vertical bar in a small unit. It can be used to adult through to pediatric patients and has a 2.8 inch large LCD display for easy of use. PalmCare plus is a lightweight and simple device designed to improve the security and quality of life of patients with easy operation by fast responses & an accurate measurement. It is very convenient to carry and hold.

- Monitor for adults, pediatrics and neonates.
- Plethysmographic waveform display and up to 72 hours of trend memory.
- 2.8 inch TFT Color LCD with superior visibility.
- Max. 6 hours operation by Lithium ion battery(Max.2 Cell).
- Digital signal processing.
- Auto gain control signal processing.
- Sound volume control (High, Low, Off).
- Default 3 Screen(Large wave, Small wave, Pleth bar) rotative configurations.
- USB port (mini B type).
- Auto-power saving mode.



TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Size	2.8 (inches) 44.8(W) x 63.1(H) (mm)
Color Resolution	16 bit
LCD Pixel Resolution	320 x 240
Display Items	Oxygen Saturation, Pulse Rate, Vertical bar, Horizontal Graph. Display Mode, Language Mode, Oxygen Saturation status, Alarm, Sound, Power Status.
Display Mode	Horizontal, Vertical
Language	English, German, Italian, French, Spanish
Sound Level	HIGH, LOW, OFF
Trend Memory	Saturation and Pulse rate memories (72 hours maximum)
Output Port	USB port(mini B type)
Dimension	70mm(W) x 165mm(H) x 30mm(D)
Weight	1CELL 200 grams (with Lithium batteries) 2CELL 250 grams (with Lithium batteries)

PERFORMANCE

Display Range SpO₂ : 0% ~ 100%
Pulse rate : 30 ~ 250 bpm

Limits

Preset Range

	Adults	Neonates
Saturation High(SpO ₂)	100%	95%
Saturation Low(SpO ₂)	85%	80%
Pulse Rate High	140bpm	200bpm
Pulse Rate Low	55bpm	100bpm

Alarm Range

	HIGH	LOW
Saturation	50 ~ 100 & OFF (1% steps)	50 ~ 99% OFF (1% steps)
Pulse Rate	30~300bpm & OFF	30~300bpm & OFF

Saturation Accuracy (SpO₂(%)±1SD)

Saturation	±2% @ 70 ~ 100% < 70% unspecified
Pulse Rate	±2bpm or ±2% (whichever is greater) @ 30 ~ 300bpm

POWER

Requirements Input : 100 ~ 240VAC, 50/60Hz
Battery Charger : 5V DC 2.0 Amps

Battery Type : Lithium Ion Internal battery, Rechargeable
Battery capacity : 3 hours (1CELL) ,
6 hours (2CELL) approximately
Charging time : 1 hour and 30 minutes (1CELL),
3 hours (2CELL) from empty to full

ENVIRONMENTAL

Temperature Operating : 10 ~ 40°C (50 ~ 104°F)
Storage / Transportation :
- 10 ~ 50°C (14 ~ 122°F)

Humidity Operating : 30 ~ 85% non-condensing
Storage / Transportation :
20 ~ 95% non-condensing

Operating Pressure 70 ~ 106kPa



PalmCare plus