

ME 10

Fingertip Pulse Oximeter

The Scope of Application

Pulse oximeter is a very important and common device to check patient blood-oxygen saturation (SpO₂) level and pulse rate. As a small, compact, simple, reliable and durable physiological monitoring device, fingertip pulse oximeter greatly enhances patient care. It is widely applied in clinic, hospital, social medical organizations, and first aid etc.

Technical Specifications

Patient Range

Adult and Pediatrics patients

SpO₂

Measurement range	70% - 100%
Resolution	1%
Measurement accuracy	70% - 100%: ±3%

Pulse Rate

Measurement range	30 - 235 bpm
Resolution	1bpm
Measurement accuracy	30 - 100: ±2 bpm 101 - 235: ±2%

Display

Type	Dual color OLED display
Parameters	SpO ₂ , PR, PI, Pulse bar, Plethysmogram
Mode	6 display modes
Brightness	Adjustable 10 levels

Alarm

Alarm Modes	Battery-low indicator, SpO ₂ , PR Audible & visual
Range	SpO ₂ : < 90% PR: < 60bpm or > 100bpm

Mechanical

Dimension	60mm (L) * 34mm (W) * 30mm (H)
Weight	50g (including batteries)



Features

- ◇ Small & lightweight design
- ◇ Dual color OLED display; 6 display modes
- ◇ Display SpO₂, PR, PI, Pulse bar, Plethysmogram
- ◇ Low power consumption, automatic power off design
- ◇ Battery-low indicator
- ◇ Audible & visual alarm
- ◇ Adjustable brightness

Battery

Two AAA 1.5V, 800mAh alkaline batteries about 30 hours.

Environmental

Operation Temperature	5°C - 40°C
Storage Temperature	-20°C - 55°C
Operation Humidity	<80%, non-condensing
Storage Humidity	<93%, non-condensing

Electromagnetic Compatibility

This product complies with IEC60601-1-2 for electromagnetic compatibility Class B

Interference Resistance Capacity against Ambient Light

Deviation is smaller than ±1% between values of Oxyhemoglobin measured in natural lighting indoor condition and present lighting sources and that measured in dark room.



Optional silicon rubber boot

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