

MD300C53

Children 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, first aid, Dental operation, Oxygen bar, etc. The MD300C53 is designed specially for the children. There is a special mark to tell the children the best place to put their fingers.

Technical Specifications

Patient Range

Adult, Pediatrics and Neonatal patients

SpO₂

Measurement range	70-100%
Resolution	1%
Measurement accuracy	80%-100%:±2% 70%-79%:±3% 0%-69%:unspecified

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, Pulse bar
Mode	6 display modes
Brightness	Adjustable 10 levels

Alarm

Alarm	Battery-low indicator
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Features

- Special design for children
- Easy and simple operation
- Display SpO₂, PR, Pulse bar, Plethysmogram
- Low power consumption
- Automatically power off
- Six display modes
- AAA alkaline or rechargeable batteries
- Battery-low indicator
- Adjustable brightness
- Suitable for use in family or hospital
- Small and lightweight

Mechanical

Dimension	50mm(W)×28mm(H)×28mm(D)
Weight	25g (without batteries)

Battery

Type 2 AAA alkaline or rechargeable batteries
Operation time about 30 hours for normal operation

Environmental

Operation Temperature	5°C-40°C
Storage Temperature	-20°C-55°C
Operation Humidity	RH≤ 85%
Storage Humidity	RH≤ 85%

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

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