

# MD300C53

## Children Fingertip Pulse Oximeter



### The Scope of Application

Pulse Oximeter is a very important and common device to check patient blood oxygen saturation (SpO<sub>2</sub>) 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 and Pediatrics patients

#### SpO<sub>2</sub>

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 - 99: ±2 bpm
	100 - 235: ±2%

#### Display

Type	Dual color OLED display
Parameters	SpO <sub>2</sub> , PR, Pulse bar
Mode	6 display modes
Brightness	Adjustable 10 levels

#### Alarm

Alarm	Battery-low indicator
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### Features

- ✧ Easy and simple operation
- ✧ Display SpO<sub>2</sub>, PR, Pulse bar, Plethysmogram
- ✧ Low power consumption
- ✧ Automatically power off
- ✧ Six display modes
- ✧ Battery-low indicator
- ✧ Adjustable brightness
- ✧ Suitable for use in family or hospital

#### Mechanical

Dimension	50mm (L) * 28mm (W) * 28mm (H)
Weight	25g (without batteries)

#### Battery

Two AAA 1.5V, 600mAh alkaline batteries could be continuously operated as long as 30 hours.

#### Environmental

Operation Temperature	5°C - 40°C
Storage Temperature	-20°C - 55°C
Operation Humidity	≤80%, no condensation
Storage Humidity	≤93%, no condensation

#### 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.