

# H100B

## Pulse Oximeter

Version 1.2



## Main Unit Specification

### Physical Specifications

Dimension	160 mm(L) × 70 mm(W) × 37.6 mm(H)
Weight	165 g (without battery)

### Battery

#### Alkaline batteries

Quantity	4
Capacity	2600 mAh
Typical operation time	48 h or longer

#### Ni-MH rechargeable battery

Capacity	1500 mAh
Typical battery life	30 h or longer
Charge time	No more than 2.5 h to 80% No more than 4 h to 100%

### Charger Stand

Model	CS-01
Input voltage	(100 to 240) VAC, 50 Hz/60Hz, 0.4 A - 0.15 A
Output voltage	6 VDC
Output current	0.8 A
Output power	4.8 W

### Display

Screen Type	128×64 dot-matrix LCD, with white LED backlight
Large Numeric Mode	SpO <sub>2</sub> , PR and Bar graph displayed
Waveform Mode	SpO <sub>2</sub> , PR, Bar graph and Plethysmogram displayed

### Data Storage

Data Storage	300 hours
Patient ID	100

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

Measurement Range	0% ~ 100%
Resolution	1%
Accuracy	Adult and Pediatric: ±2% (70%~ 100%) Undefined (0%~ 69%) Neonate: ± 3% (70%~ 100%) Undefined (0%~ 69%)

### Pulse Rate

Measurement Range	25 bpm ~ 300 bpm
Resolution	1 bpm
Accuracy	±2 bpm

### Safety Specifications

Compliant with Standards	IEC 60601-1:2005+A1:2012, EN 60601-1:2006+A1:2013, IEC 60601-1-2: 2014, EN 60601-1-2: 2015, ISO 80601-2-56:2017+A1:2018, ISO 80601-2-61: 2017
Type of Protection	Internally powered equipment
Degree of Protection	Type BF-Applied part
Ingress Protection	IP22

### Environmental Specifications

Temperature	Working: +0°C to +40°C (32°F ~ 104°F) Transport and Storage: -25°C to +70°C (-13°F ~ 158°F)
Humidity	Working: 15%RH to 95%RH (non-condensing) Transport and Storage: 15%RH to 95%RH (non-condensing)
Altitude	Working: 70 kPa to 106 kPa Transport and Storage: 70 kPa to 106 kPa