

H100B

Pulse Oximeter

Version 1.1

Data Sheet



H100B Pulse Oximeter 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 ₂ , PR and Bar graph displayed
Waveform Mode	SpO ₂ , PR, Bar graph and Plethysmogram displayed

Data Storage

Data Storage	300 hours
Patient ID	100

SpO₂

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 60601-1-2:2007, EN 60601-1-2:2007, EN 12470-4, ISO 80601-2-56: 2009, ISO 80601-2-61:2011
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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

* Specifications are subject to change without prior notice



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