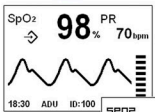# H100 N

Pulse Oximeter
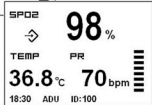
Nellcor Oximax Inside!

- LCD display
- RTC (Real Time Clock) display
- Backlight control and automatic power-off for power saving
- Nellcor SpO_2 as standard
- Temperature measurement
- Display numeric result and waveform simultaneously
- Long battery life - up to 48 hours on 4 "AA" or 36 hours on Ni-MH rechargeable batteries
- Pitch Tone
- Powerful data storage capacity
- Data can be transferred to PC for storage, review and printing
- The latest 10 minutes trend graph of SpO_2 and Pulse Rate can be reviewed in the screen
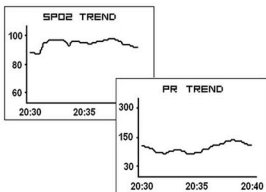- Audible and visible alarm capability

Real-time measurement display

Large numeric display

PC storage is easy to access through RTC and ID.

The latest 10 minutes trend graph of SpO_2 and Pulse Rate can be reviewed in the screen.

With different kinds of sensors, H100N can address needs of adult, pediatric, and neonatal monitoring, it also provides Temperature measurement.

Navigating buttons for interface operation

H100 N Pulse Oximeter

Classification

Type of Protection	Internally powered equipment (4 1.5V LR6 AA batteries)
EMC Compliance	Class A
Degree of Protection	Type BF-Applied part
Mode of operation	Continuous measuring and spot measuring

Size and Weight

Size	160 (L)×70 (W)×37.6 (H) (mm)
Weight	185g (without battery)

Environment

Temperature

Working	5℃~40℃
Transport and Storage	-20℃~+55℃

Humidity

Working	25% ~ 80% (non-condensing)
Transport and Storage	25% ~ 93% (non-condensing)

Atmospheric pressure

Working	860 hPa ~ 1060 hPa
Transport and Storage	700 hPa ~ 1060 hPa

Display

128 x 64 dot-matirix LCD,with LED backlight

Data update period	2 seconds

Battery

Ni-MH rechargeable battery package

Quantity	1
Total rated voltage	4.8 V
Capacity	1800 mAh
Typical battery life	36 hours
Charge time	2.5 hours to 80%
	4 hours to 100%

Alkaline batteries

Typical battery life	4 pieces 1.5 V AA 48 hours

Performance

Measurement Range

SpO_2：	1% to 100%
Pulse rate：	20 to 300 bpm
Perfusion range:	0.03%~20%
Temperatrue：	0℃~50℃

Resolution

SpO_2：	1%
Pulse rate：	1bpm
Temperatrue：	0.1℃

Accuracy

Saturation

Adult	70 ~ 100% ± 2digits
Neonate	70 ~ 100% ± 3digits
Low Perfusion	70 ~ 100% ± 2digits

Pulse Rate

Adult and Neonate	20 ~ 300 bpm ± 3digits
Low Perfusion	20 ~ 300 bpm ± 3digits

Temperature	25 ~ 45℃ ± 0.1℃
	0 ~ 25℃ and 45 ~ 50℃ ± 0.2℃

Funciton

Alarm

3-level audible and visual alarm

Adjustable audio paused time for 30,60,90,120 seconds

Data Storage

100 Patient ID up to 300 hours SpO_2 、PR data record.

Quick Trend

Lately 10 minutes Trend Graph for SpO_2 、PR

Other

Pitch Tone

Multiple Language Support

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