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# BP-12C

## Technical Specifications

# Product Specifications

## 1. Safety Specifications

### 1.1 Environment Specifications

Equipment Environment (Host, Recorder and IBP Module)			
Item	Temperature	Humidity (Non-Condensing)	Atmospheric Pressure
Operating	5°C-40°C (41°F-104°F)	30%-80%	526mmHg-795 mmHg (70 kPa-106 kPa)

### 1.2 Power Specifications

Power Supply	3*LR6 (AA) alkaline batteries or Ni-MH rechargeable batteries
Supply Voltage	4.5V
Operating Current	<50 mA
Continuous working time	> 30 hours

## 2. Physical Specifications

Weight	Net weight 210g (including batteries)
Size (L×W×H)	145×74×29 mm (L×W×H)

## 3. Data Storage

Data Record	Record data once every 1/2/4/8seconds, up to 70-hour records.
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## 4. Measuring Specifications

### 4.1 SpO2 Measurement

Transducer: dual-wavelength LED sensor with wavelength

Red light: 660 nm, Infrared light: 905 nm.

Maximal average optical output power:  $\leq 2\text{mW}$

SpO2 measuring range: 35~100%

SpO2 measuring accuracy:

$A_{\text{rms}} \leq 3\%$  for SpO2 range from 70% to 100%

Note:  $A_{\text{rms}}$  is defined as root-mean-square value of deviation according to ISO 9919.

SpO2 low over-limit setting range: 85%~99%

Default low over-limit: 85%

#### **4.2 Pulse Rate Measurement**

PR measuring range: 30bpm~240bpm

PR measuring accuracy:  $\pm 2\text{bpm}$  or  $\pm 2\%$  (whichever is greater)

PR over-limit setting range: 25bpm~250bpm

Default over-limit: High: 120bpm Low: 50bpm

#### **4.3 Perfusion Index Display Range**

0~20%



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