



All-in-One Health Monitor

PC-102



Application:

The PC-102 All-in-One Health Monitor is a small, light weight and affordable personal health monitoring device. With an Android phone/iPhone or Pad, the user can conveniently measure, store and share Blood Pressure, Oxygen Saturation, Heart Rate and Blood Glucose data. The device is suitable for hospitals or clinics, and especially practical for in-home daily measurement.

Feature:

- Measures Blood Pressure, Oxygen Saturation, Heart Rate
- Optional Blood Glucose
- Wearable design for convenience
- Displays, stores and shares records with App
- Bluetooth 4.0 and USB interface (SDK available upon request)

Technical Specifications

SpO2

Measuring range: 35% ~ 100%
Accuracy: $\pm 2\%$ (during 75% ~ 100%)
 $\pm 3\%$ (during 50% ~ 74%)

Pulse Rate

Measuring range: (0 ~ 300) bpm
Accuracy: $\pm 2\%$ or ± 2 bpm (whichever is greater)

NIBP

NIBP Range: 0mmHg ~ 300mmHg (0kpa ~ 39.9kpa)
Pressure transducer accuracy: ± 3 mmHg
Measuring range: Systolic pressure: 60mmHg ~ 240mmHg
Diastolic pressure: 30mmHg ~ 180mmHg
Resolution: 1mmHg or 0.133kpa
Repeatability: ± 4 mmHg

Temperature

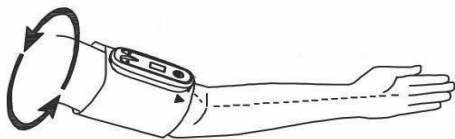
Measuring range: 89.6F ~ 111F
Accuracy: ± 0.2 F (95 ~ 102F)
Measuring time: < 5s

Blood Glucose

Measuring range: 30.6mg/dL ~ 500.4mg/dL
Accuracy: ± 5.4 mg/dL
Responding time: 5s \pm 0.5s

Power Supply

Battery: 1000mAh Li-ion battery
Operating voltage : 3.6 ~ 4.2VDC
Operating current: ≤ 800 mA



Wearable design



SpO2 sensor



Glucometer



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