

Mintti Vision-Six-in-One Health Monitor

Intended Use:

1.The unit is intended for the use in measuring heart rate,ECG, body temperature, blood pressure and blood oxygen at home or monitoring of the hypertensives, fever patients and anoxic patients. It is intended to be used at home or healthcare facilities. And this device cannot be used in ICU.

2.Side effects: N/A

3.User profile (Patient profile):The device is intended to be used by lay persons, nurses, physicians who are able to read and understand English.

4. Do not use the device on body part with injury and skin infection.

5.Blood pressure measurement is intended to be used for person over 12 years old.

6.Body temperature measurement is intended to be used for person over 5 years old.

7.Heart Rate and SpO₂ measurements are intended to be used for person over 6 years old. 8.The operator must be able to read English.

9.The ECG function of this device is not suitable for infants weighing less than 10kg

Technical Specification

Model: Vision

Power voltage: DC3.7V

Size: 70mm*70mm*18.4mm

Weight: approximately 70g

Wireless communication: Bluetooth 4.0

operating frequency: 2.4000GHz-2.4835GHz

Blood pressure/heart rate Measuring method: oscillometric method

Cuff perimeter: 22-35cm

Measuring range:

Blood pressure 0-300mmHg Systolic pressure: 60-260mmHg Diastolic pressure:

40-199mmHg

Heart rate: 30-300bpm

Measuring error: blood pressure ± 3 mmHg

Heart rate $\pm 5\%$

Blood oxygen Measuring method: reflective Method

Measuring range: 90%-99%

Measuring error: $\pm 2\%$ Temperature

Temperature measurement Measuring method: infra-red

Measuring part: forehead

Measuring range: 34°C - 43°C

Measuring error: 36-39°C $\pm 0.2^\circ\text{C}$ > 39°C or < 36°C $\pm 0.3^\circ\text{C}$

ECG measurement

Measurement mode: Single lead

Input impedance: > 10M Ω

Input circuit current: $< 0.1\mu\text{A}$

Calibration voltage: $1\text{mV}\pm 0.05\text{mV}$

Sensitivity tolerance: $< 10\%$ 50Hz interference suppression filter: $> 20\text{dB}$

Maximum input range: $\pm 4.7\text{mV}$

Polarization resistance voltage: $\pm 300\text{mV}$,

Amplitude variation $< 10\%$ Frequency response: $0.5\sim 40\text{Hz}$

Overshoot: not more than 20%

Environmental humidity for storage and transport: $-40^{\circ}\text{C} - +55^{\circ}\text{C}$, $\leq 93\%RH$

Environmental pressure: $86\sim 106\text{kPa}$