



GIMA

PROFESSIONAL MEDICAL PRODUCTS

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The Scope of Application:

PC-80B Easy ECG Monitor is designed for home use with the purpose of health care, and is suitable for users who may suffer from cardiovascular disease, such as hypertension, diabetes, coronary heart disease, etc., or those who have the symptoms of heart-throb, stuffy chest. It can be used to check their heart conditions regularly, and the stored ECG records can be used as a reference for clinical ECG examination. It also can display ECG waveform and HR and transmitted to PC by **Bluetooth/USB/Zigbee**.

Feature:

- Measurement results transmission to PC by Bluetooth/USB/Zigbee (optional);
- Measurement of one channel ECG anytime, anywhere you like;
- Several available measurement methods: Palm measurement, Leg measurement, and Chest measurement;
- Color display the real-time ECG wave;
- 1200 records storage into the ECG, or 10 hours continuous measurement data storage;
- 30 second ECG measurement or continuous measurement selectable;
- Auto power-off while no key pressed or no signal lasting 35 seconds;
- Presentation and analysis for 17 types of ECG waveform.
- Up to 1000 times measurement by use of alkaline batteries.

Technical Specifications

A. ECG Measurement

The number of channels: Single (differential input)

Electrodes:

3 embedded metal electrodes or using 3 adhesive ECG electrodes by connection to the lead wire

Measurement modes:

the detecting ECG signal can be detected by the following lead selection:

Lead I (between right hand and left hand)

Chest Lead (between right hand and chest)

Lead II (between right hand and left leg)

ECG bandwidth: 0.5Hz~40Hz

Internal noise level: $\leq 30\mu\text{Vp-p}$

Heart Rate measuring range: 30bpm~240bpm

Heart Rate measuring accuracy: $\pm 2\text{bpm}$ or $\pm 2\%$ whichever is greater

Display scale: 5.0mm/mV $\pm 10\%$

Common-mode rejection ratio (CMRR): $\geq 60\text{dB}$

Waveform sweeping speed: 20mm/s $\pm 10\%$

Input loop current: $\leq 1\mu\text{A}$

Input impedance: $\geq 5\text{M}\Omega$

B. Power

Power: 2×AAA alkaline batteries

Supply voltage range: 2.7~3.3VDC

Max average working current: $\leq 50\text{mA}$ (backlight off)

Auto power-off: 35s $\pm 5\text{s}$ (without operation)

Low battery indication: 2.5VDC $\pm 0.2\text{VDC}$

C. Classification

The type of protection against electric shock: Internally powered equipment

The degree of protection against electric shock: Type B applied part

The degree of protection against harmful ingress of liquid: Ordinary equipment without protection against ingress of liquid.

Electro-magnetic Compatibility: Group I, Class B

D. Display

LCD type: 2.8" TFT 320*240 pixel

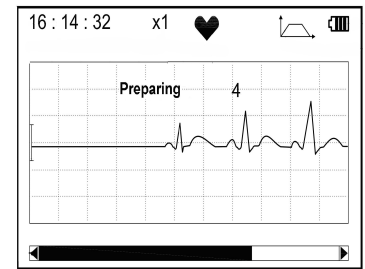
Display area: 57.6mm × 40mm

Backlight: LED backlight.

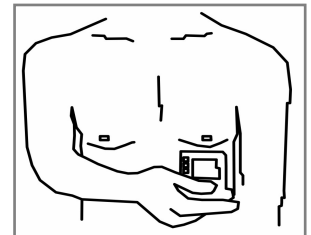
E. Data Memory

1200 records can be saved in the built-in memory or 10 hours continuous measurement data storage;

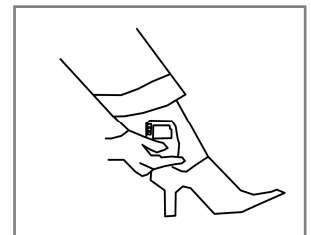
Stored data records can be uploaded to the computer by data cable or Bluetooth.



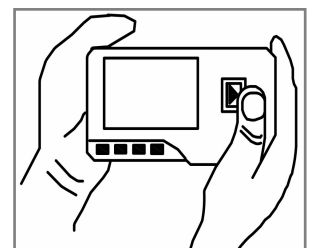
Measuring Screen



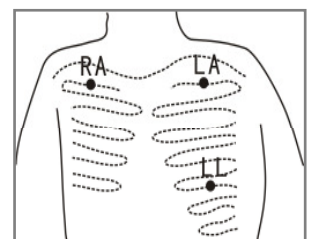
Chest Measurement



Leg Measurement



Palm Measurement



Lead Wire Measurement

Note: Specifications subject to change without prior notice.



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