



# PC-80D



● Easy ECG Monitor

## The Scope of Application:

PC-80D 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.

## Feature:

- 3-Channel ECG signal measurement & display simultaneously and continuously with external lead wires.
- Bright screen with 3.5" true color TFT for clear display of ECG traces, parameters, status and measurement result.
- Event marking function makes review and retrieve easier
- Large built-in memory with up to 32 MB for long term recording up to 4 hours.
- Voice prompt for working status and measurement result.
- Recorded data can be uploaded to PC by USB interface, PC software is available
- 4AA alkaline batteries or AC power adapter
- Measurement of one channel ECG anytime, anywhere you like;



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FDA 510(K)



*Your health, our concern!*

## Technical Specifications

### A. ECG Measurement

**The number of channels:** 3 channels

**Electrodes:**

3 embedded metal electrodes or using 4 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)

<b>ECG bandwidth:</b>	0.5Hz~40Hz
<b>Internal noise level:</b>	$\leq 30\mu\text{Vp-p}$
<b>Heart Rate measuring range:</b>	30bpm~240bpm
<b>Heart Rate measuring accuracy:</b>	$\pm 2\text{bpm}$ or $\pm 2\%$ whichever is greater
<b>Display scale:</b>	5.0mm/mV $\pm 10\%$
<b>Common-mode rejection ratio (CMRR):</b>	$\geq 60\text{dB}$
<b>Waveform sweeping speed:</b>	20mm/s $\pm 10\%$
<b>Input loop current:</b>	$\leq 0.1\mu\text{A}$
<b>Input impedance:</b>	$\geq 5\text{M}\Omega$

### B. Power

<b>Power:</b>	4×AA alkaline batteries
<b>Supply voltage range:</b>	4.4~6VDC
<b>Max average working current:</b>	$\leq 160\text{mA}$
<b>Auto power-off:</b>	can be adjustable between 1-5 mins
<b>Low battery indication:</b>	4.4VDC $\pm 0.2\text{VDC}$

### 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

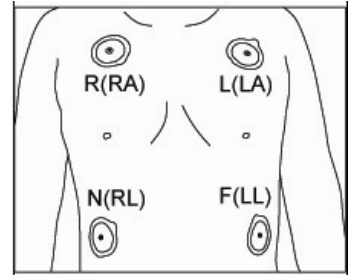
### D. Display

**LCD type:** True Color TFT

**LCD dimension:** 3.5"

### E. Data Memory

Up to 800 records (30s each record) or 4-hour records can be saved in the device; Stored data records can be uploaded to the computer by data cable provided by the manufacturer. (Optional)



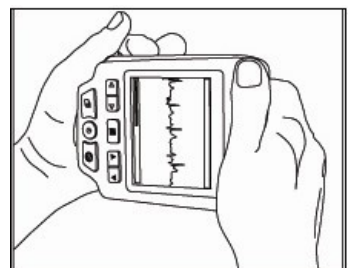
Lead Wire Measurement with 3-lead display



Chest Measurement



Leg Measurement



Palm Measurement

Note: Specifications subject to change without prior notice.



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