OMRON Portable ECG Monitor
HCG-801

Record transient heart events as symptoms occur.
Closer look at Cardiovascular Risk Monitoring

A main cause of mortality is cardiovascular disease or CVD (leading to stroke, heart attack, heart failure) and a major risk factor for CVD is high blood pressure. Omron has established itself as a leader in blood pressure monitoring inside the home as well as in hospital settings. Now, Omron has applied its traditional expertise in sensor technology to take the next step in CVD monitoring in the homecare context, by creating a new home monitoring device.

Symptoms such as heart pain, palpitations and shortness of breath may be signs of heart disease and may be transient. In some cases, delay in detection may lead to the worsening of heart conditions (an increasingly repetitive pattern of transient abnormalities) and may prevent a patient or doctor from seeking corrective treatments before a potential heart attack or stroke.

However, there are some challenges to keeping records of these symptoms in real time by conventional approaches.

With the OMRON® Portable ECG Monitor HCG-801, a recording of about 30 seconds can be made when symptoms occur whether at home or away. These recordings can then be shown to the doctor, who can examine and use the information to assist in correct diagnosis of symptoms.

Where can HCG-801 be used?

Clinic and Hospitals
The transient symptoms of cardiovascular disease can be difficult to record by conventional devices. The HCG-801 provides users with a quick and easy way of real-time recording.

Possible usage situations for the HCG-801
- Monitoring on Post-operation
- Monitoring on Cardiac rehabilitation

The unique features of the Portable ECG Monitor HCG-801 make it a versatile multi-purpose tool for medical professionals. Its cordless operation and direct on-screen display allow a quick scan of the heart condition and its compact design easily fits in a medical bag or coat pocket.
How to use the HCG-801
Easy, User-friendly instruction

1. Turn on the power and place your finger closely on the finger electrodes.
2. Place the chest electrode on bare skin about 2 inches below your left nipple.
3. Press the Start button while maintaining the same posture. Measurement takes about 30 seconds.

Portable and compact
Direct review of results on clearly readable, high resolution screen with backlight
Cordless (no need to wear electrodes, no difficulties with cables)
Easy, user-friendly instruction
PC download through SD memory for 300 measurements
Uses 2 x LR03(AAA) batteries
Analyzes ECG data and displays messages concerning Heart rate and Heart rhythm

Measured waveforms and Data description messages

Actual Heart rate
Detail ECG
30 second ECG recording with window indication.

ECG analysis result on:
- Heart rate
- Heart rhythm
Action messages
- Store data Yes/No?
  (None or slight deviations from normal)
- Data stored. Please consult your doctor.
  (Deviations from normal)

Date and Time of measurement
Data description messages
- n. Regular heart rate, Regular heart rhythm.
- v. Slow heart rate.
- w. Fast heart rate.
- x. Irregular heart rhythm.
- y. Slow heart rate, Irregular heart rhythm.
- z. Fast heart rate, Irregular heart rhythm.
- m. Analysis impossible. Please measure again.
30 seconds wave form
30 seconds average heart rate
Keep it simple software ECG Viewer (Optional)

The ECG viewer is software which allows the importing of data from the device to a computer for viewing and printing.

Hardware Requirements

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Windows 2000 Professional (Service Pack 4)</th>
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<tbody>
<tr>
<td></td>
<td>Windows XP Professional (Service Pack 2)</td>
</tr>
<tr>
<td></td>
<td>Windows XP Home (Service Pack 2)</td>
</tr>
<tr>
<td>CPU</td>
<td>600 MHz or faster Intel Processor</td>
</tr>
<tr>
<td>Memory</td>
<td>128 MB or more</td>
</tr>
<tr>
<td>HDD Free Space*</td>
<td>32 MB or more</td>
</tr>
<tr>
<td>Other</td>
<td>Port for SD Memory Card Reader</td>
</tr>
<tr>
<td></td>
<td>(for reading SD Memory Cards)</td>
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* This refers to your computer free space. Free space is necessary for saving electrocardiogram data separately.

IMPORTANT MESSAGE

Self-measurement is not the same as medical diagnosis. Please consult your doctor for proper interpretation.

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THIS UNIT IS DESIGNED FOR RECORDING THE ECG WAVEFORM IN THE ADULT POPULATION. IT IS NOT DESIGNED OR INTENDED FOR MEDICAL DIAGNOSIS. NEVER USE THE UNIT IN CRITICAL CARE SITUATIONS.

- Messages after measurement report heart rate and heartbeat only.
- This device neither detects nor measures all heart rate, heartbeat rhythm and heartbeat waveform changes, especially those related to ischemic heart conditions.
- Always consult your doctor if you notice change in your condition, regardless of measurement results and messages.

IMPORTANT MESSAGE

PORTABLE ECG MONITOR

with respect to electric shock, fire and mechanical hazards only in accordance with UL60601-1 and CAN/CSA C22.2 No. 601.1

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URL : http://www.omronhealthcare.com
For Ordering : 1-800-323-1482 and Press Option 2
General Questions : 1-800-829-6427

Made in Japan