Monitoring on a regular basis...

HeartScan intended use

User-friendly screening and monitoring device, immediately available at any time to manually record transient cardiac events. Suitable for patient and professional use. Helpful in determining cardiac etiology of symptomatic events. Monitoring of heart conditions for early detection can assist medical personnel to screen for abnormalities and provide data on the heart condition of the patient in daily life.

Keep it simple software

You can import ECG data into your computer and use it for diagnosis.

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ECG Viewer is software, which allows importing data from the HeartScan ECG Monitor into a computer so that it can be examined and printed. The software allows changing the scale and range of the ECG to better observe specific events. This makes it very useful for doctors in making their diagnoses.

The software allows changing the display scale freely in order to confirm details. You can use the software to display detailed screen for closer observation of a certain period.

Comparison between electrocardiograph complexes is possible.

Different electrocardiographs can be compared according to the software. You can compare data on display of multiple detail screen in comparison which is also possible.

Importing ECG data.

It is possible to enter printing details such as the scale and range of the ECG data. In addition, it is possible to select and print multiple ECG data or print all ECG wave data in a folder.

Printing ECG data.

Printed ECG data can be copied into the software and imported into data on the computer system.

Hardware Requirements

- Operating System: Windows 2000 Professional Service Pack 4
- Windows XP Professional Service Pack 1
- CPU: 600 MHz or faster Intel Processor
- Memory: 128 MB or more
- HDD: 32 MB or more
- Other Port for SD Memory Card Reader

This feature can be used to import ECG data from the SD memory card to a floppy and back into data on the computer system.

Ischaemic heart disease or arrhythmia can be transient. ECG performed and read at a hospital clinic or doctors surgery is the normal investigation to establish if myocardial infarction or arrhythmia exists. Please refer to your doctor on your diagnosis results. If you have any questions on your diagnosis results or any symptoms after reading the data on the computer screen, please consult your doctor. ECG performed at home or during daily life can also be used to screen for abnormalities and provide your doctor or medical personnel with helpful information on your heart condition. All diagnoses based on measurement results can then be made by your doctor.

IMPORTANT MESSAGE

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

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Taking a closer look at Cardiovascular Risk Monitoring

In Europe the main cause of mortality is cardiovascular disease or CVD (e.g. stroke, heart attack, heart failure). According to the company philosophy, Omron has developed a new home monitoring device.

**Cardiovascular Risk Monitoring**

Chest Electrode

Power / Stop button

Start Button

Direct review of results on clearly readable, high resolution screen with backlight.

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**Basic Functioning Principle Omron HeartScan**

**Product features**

- SD memory card slot
- Portable and compact
- Direct review of results on clearly readable, high resolution screen with backlight
- Cardiovascular monitoring of BP in home as well as hospital settings
- Economic and quality
- ECG analysis result on:
  - A. Stable waveform
  - B. Fast heart rate
  - C. Fast and irregular heart rate
  - D. Fast heart rate and deviating waveform
  - E. Fast and irregular heart rate
  - F. Slow heart rate
  - G. Slow and irregular heart rate
  - H. Slow heart rate and deviating waveform
  - I. Slow and irregular heart rate, deviating waveform
  - J. Irregular heart rate
  - K. Irregular heart rate and deviating waveform
  - L. Deviating waveform
  - M. Analysis impossible. Please measure again.

**Where can HeartScan be used?**

**Primary Care**

- Home-care situation
- When hospitalized not all patient are under 24-hour surveillance for heart monitoring. There are several circumstances where the HeartScan ECG Monitor could be a valuable tool for a quick scan of heart function.
  - Before and during dialysis
  - Patients after operation
  - Patients in intensive care
  - Patients in surgery

**Secondary Care**

- Outpatient visit
- Ward
- In situations where patients refuse implantation of an event recorder, this device can be a substitute. The decision to suggest the implanted recorder could be preceded by a period using the HeartScan ECG Monitor.

**Problems with Heart Shape & Functions**

- Decrease in amplitude or shape of QRS complex
- Decrease in amplitude of T wave
- Decrease in amplitude of P wave
- Right axis deviation
- Left axis deviation
- ECG analysis result indicator
  - A. Stable waveform
  - B. Fast heart rate
  - C. Fast and irregular heart rate
  - D. Fast heart rate and deviating waveform
  - E. Fast and irregular heart rate
  - F. Slow heart rate
  - G. Slow and irregular heart rate
  - H. Slow heart rate and deviating waveform
  - I. Slow and irregular heart rate, deviating waveform
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  - M. Analysis impossible. Please measure again.

**Quick Start Guide for Correct Measurement**

**How to use the unit**

- Press the "Start" button to start the measurement.
- Press the "Power" button to stop the measurement.
- Place the chest electrode on bare skin above your right arm.
- Press the START button with your index finger on the middle of the button.
- Take the measurement. The measurement ends when the measurement is complete.
- Power off