Monitoring on a regular basis...

HeartScan intended use

User-friendly screening and monitoring devices immediately available at any time to manually record transient cardiac events, suitable for patient and professional use. Helpful in determining cardiac events or abnormalities and use for analysis. Atrial Fibrillation (AF) can be detected for surveillance and provided to the doctor or healthcare professional on a fast diagnostic basis.

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Keep it simple software

You can import ECG data into your computer and use it for diagnosis. ECG viewer software allows importing from the HeartScan ECG device into the computer in the same examination period. The software allows changing of the scale and range of the ECG wave and dropping specified areas. The examiner can very easily get an overview of the patients

HeartScan is a compact, portable, single-channel cardiac monitor. It is simple to use and can detect the heart condition of the patient in various examination periods, such as during a heart attack or stroke.

The HeartScan ECG device can detect the heart condition of the patient in various examination periods, such as during a heart attack or stroke.

The Portable HeartScan ECG device is used to detect the heart condition of the patient in various examination periods, such as during a heart attack or stroke.

Compact - Cordless - Simple operation

Fast - Discrete

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Taking a closer look at Cardiovascular Risk Monitoring

In Europe the main cause of mortality is cardiovascular disease (CVD) (e.g. heart attack, heart stroke). A major risk factor for CVD is high blood pressure. Omron has an established reputation in monitoring of BP in home and in hospital settings. New Omron has applied their traditional expertise in sensor technology to take the next step in CVD monitoring in the homecare situation.

According to the company philosophy Omron has developed a new home monitoring device, the new HeartScan ECG Monitor using heart waveform and includes potential CVD abnormalities.

The ECG waveform from the heart shows where the heart contracts and relaxes and gives the heart rhythm of connected heart beats. In a healthy heart the waveform shows a regular shape and rhythm to the ECG in case of heart diseases abnormalities can be detected.

The creation of an accurate waveform and the detection of heart abnormalities can be connected with an accurate recording of heart beat parameters. With the ECG waveform and the potential for 30 seconds sampling and analysis the device can even measure several waveform events at once. These recordings can then be shared for information to the doctor, who can examine it and use it for correct diagnosis. From analysis of the waveform some information can be obtained as the presence of arrhythmia or ST-level deviations related to ischemic heart disease.

Taking the condition of the user into consideration, the user can freely manage the design allowing the user to take a reading instantly and directly. The design of the pickup sensor system provides a sufficient design usage for further maintenance in the ECG detector.

By comparing your electrocardiogram rhythm and shape with normal waves, various heart diseases such as angina or cardiac infarction, can be diagnosed.

Problems with Heart Shape & Functions

For example, problems between RR’s indicate a problem with your heartbeat rhythm.

- Arrhythmia
- Problems with Heart Shape & Functions
- Ischaemic heart disease.
- Problems with Heart Rate & Speed

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Problems with Heart Rate & Speed

- Problems with Heart Rate & Speed
- VTACH
- PVC
- Heart Rhythm Event
- AFIB
- Slow heart rate
- Fast heart rate
- Fast and irregular heart rate
- Stable waveform
- Irregular heart rate
- Slow heart rate and deviating waveform
- Deviating waveform
- Heart rate
- Heart rhythm
- Date and time of measurement
- 3-stage deviation level indication
- 30 seconds average heart rate
- Actual Heart rate
- Heart waveform
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- Heart rate speed event
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