



**BETTER CARE
IMPROVING HEALTH**



merlin

ECG event recorder

**the convenient way of
arrhythmia detection**
a single-channel ECG
monitor and event
recorder built directly
into your wristwatch



miniature, wristwatch-style ECG event recorder activated by simply placing a hand on the face of the watch

solid-state memory storing up to 15 minutes of ECG

flexible programming not limited to a preset recording length

option to enable new recordings to overwrite oldest ones if memory is full

data transmission to PC via optical cable or standard modem

several months' operation with the same batteries

merlin

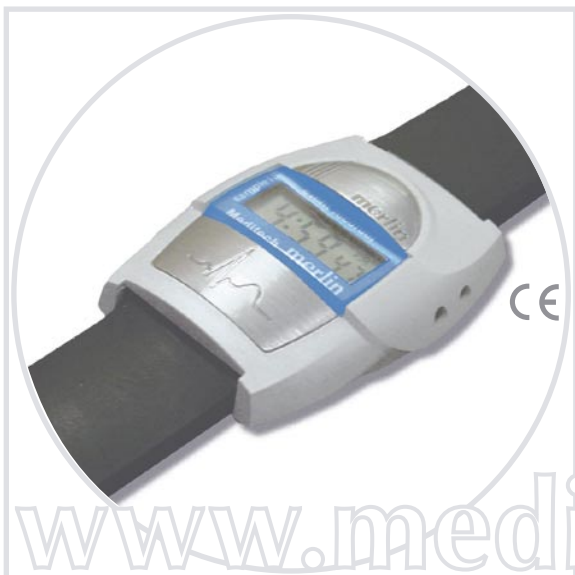
ECG event recorder



Patients present with a variety of possible cardiac symptoms that are often difficult or impossible to detect during a clinic visit with a resting ECG. The miniature **merlin** ECG event recorder from Meditech was designed with this in mind, extending cardiac event recording times to weeks. This post-event, single-channel ECG recorder is built into a normal-size wristwatch. As transient arrhythmias and related symptoms may appear spontaneously without warning, it is important to have a recorder that is promptly activated in any circumstances without drawing unnecessary attention to the patient. Requiring no chest contact, **merlin** is easily activated by placing a hand on the face of the event recording watch. It can record and store up to 15 minutes of ECG. Flexible programming ensures multiple measures not limited to a preset recording length – **merlin** can store long or short strips to reflect any of the events. Remaining memory capacity and heart rate calculated from the recorded strip are displayed after each recording. Recordings are easily transmitted to the PC via an optical cable or using a standard modem. With normal use, **merlin** is expected to provide several months with the same batteries.

Technical parameters

power supply	2 CR1620 button cells
sampling	200 Hz
A/D resolution	14 bits
frequency range	0.05 to 40 Hz
recording	post-symptom 1-channel recording, manual activation, programmable maximum recording length, multiple recordings with "endless" memory
storage	solid-state (EEPROM) memory, total 15 minutes
data transfer	RS232 line, optical cable transmission, 57.600 baud, direct connection to standard modems for teletransmission
dimensions	~ 40 x 34 x 12 mm
weight	~ 20 g (with rubber wrist strap)



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