

Emerging Technology in Extended Daily Monitoring

The eEvolution™ is a single-component monitoring system that provides instant and accurate patient information through automated daily data transmissions. In addition to the wireless transmission capability, the eEvolution™ offers patients the flexibility to manually record and transmit event data transtelephonically. The eEvolution™ offers:

- **Computerized monitoring** operated by a micro-processor auto-detecting algorithm exclusive to eCardio.
- **Near-time data analysis**, allowing physicians to discover asymptomatic arrhythmias with speed and precision.
- **A single-component system**, eliminating the cumbersome monitor, modem and base station combination, enhancing patient compliance.
- **Flexible technology**, allowing bidirectional data flow and enabling physicians to remotely program the device while being worn by the patient.

INDICATIONS FOR USE

The monitor is indicated for diagnostic evaluation of patients who experience transient symptoms such as palpitations or syncope. It is intended to record cardiac activity associated with these infrequent and transient symptoms.

DEVICE SPECIFICATIONS

FUNCTIONAL

Wireless: 1 or 2 channels
Sample rate: 256 samples per second
User interface: LCD display and sound

MEMORY

Pre-set to record 6 events, and may store up to 30 minutes

BATTERY

Type: (1) 3.6V Lithium Thionyl Battery Pack

WIRELESS TRANSMISSION

Transmit carrier: 1900Hz
Carrier deviation: 100Hz/mV

PHYSICAL

Dimensions: 2.82" x 4.33" x .90"
Weight with batteries: 5 oz.

ELECTRICAL

Input impedance: 2M min.
CMR ratio: 60dB
AC signal range: +/- 3mV
DC signal range: +/- 300mV
Resolution: 23µV (8bits)
Freq. response: .05Hz to 40Hz

eEvolution™



**eCardio**™

eCardio adheres to patient privacy standards and requirements for the electronic transmission of health information, as set forth by the Health Insurance Portability and Accountability Act of 1996 (HIPAA). For more information on eCardio patient privacy standards and requirements, visit www.ecardio.com.

FLEXIBLE. FAST. ACCURATE.
ARRHYTHMIA MONITORING SOLUTIONS.