



## Heart 2005A™

### Transtelephonic ECG Loop Event Recorder

#### User-Friendly Loop Event Recorder for Accurate Documenting of Transient Cardiac Events

Heart 2005A is the answer for long-term transtelephonic monitoring. Simple to use, the patient presses a button once symptoms begin in order to record all pre and post ECG segments. By pressing the "Transmission" button, the patient sends the recorded ECG over the telephone to Aerotel's Heartline Receiving Station (HRS) for immediate diagnosis.

#### Applications

- Detection of infrequent symptomatic arrhythmia
- Post-myocardial infarction follow-up
- Unexplained chest pain (ST-Segment analysis)
- Cardiac rehabilitation
- Arrhythmic therapy monitoring
- Drug studies

#### Features

- Single Lead
- Non-volatile (flash) memory
- 4 events of 30/30 seconds or one event of 180/60 seconds
- One-month battery life
- 4X transmission speed option

#### Benefits

- Easy-to-use
- Superior ECG quality and baseline stability
- Long-term monitoring (no time limitation)
- Cost-effective
- Small, portable & convenient

## Technical Data

### Electrical Characteristics

ECG Channel: Single Lead  
 Frequency Response: 0.05 - 40Hz  
 CMRR: >80dB Typical (@ 50Hz/60Hz)  
 Input Dynamic Range: ± 3mV  
 DC Offset Correction: ± 300mV  
 Sampling Rate: 250 Samples/Sec

### Output

Modulation: FM Tone  
 Carrier Frequency: 1900 Hz  
 Frequency Deviation: 100 Hz/mV  
 Transmission Speed: 1x (optional 4x)

### Memory

Storage Capacity: 240 Seconds  
 Memory Type: Non-Volatile (Flash)  
 Modes: Single event, 180/60 seconds or 4 events, 30/30 seconds each. (user selectable)  
 ECG Indicator: LED flashes when stored event in memory  
 Memory Full Indicator: Snooze alert

### Power

Battery Type: One Alkaline 1.5V Size AA  
 Battery Life: 1 month\*  
 Low Battery Indicator: LED flashes when battery is low

### Physical Characteristics

Length: 75 mm  
 Width: 68 mm  
 Thickness: 17 mm  
 Weight: 80 gr. (including battery)

\* Using Duracell Ultra M3 or Energizer e<sup>2</sup> Titanium x91 battery