

## HEARTRAK SMART



### Single Lead Loop Event Recorder/ Transmitter

### For Continuous Heart Monitoring

### Symptoms :

Palpitations	Chest pain
Syncope	Transient Ischemic Episodes
Dyspnea	Light Headedness
Dizziness/Lightheadedness	Symptomatic Arrhythmias

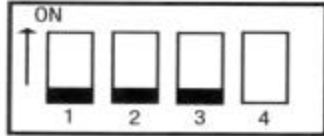
### Features:

- Simple to Operate in both record and transmit modes
- Small & lightweight
- Over 14 days (once a day transmission) of battery life using one AA-size
- Microprocessor controlled
- Low Battery Indicator

### Applications:

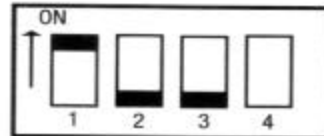
- Transient symptomatic event detection
- Ischemia monitoring
- ST segment analysis
- Anti-arrhythmic drug monitoring
- Post MI follow-up
- Cardiac Rehabilitation

Memory Mode:



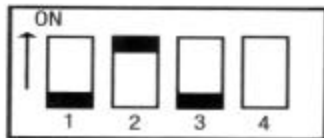
**Program 1**

Number of pre-event memory seconds 90  
 Number of post-event memory seconds 30  
 Total event number 2



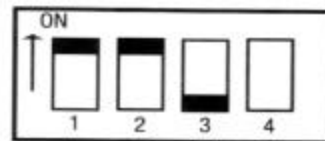
**Program 2**

Number of pre-event memory seconds 30  
 Number of post-event memory seconds 60  
 Total event number 3



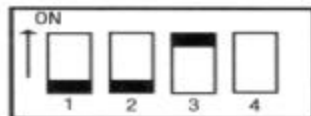
**Program 3**

Number of pre-event memory seconds 60  
 Number of post-event memory seconds 30  
 Total event number 4



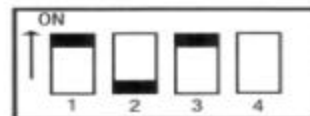
**Program 4**

Number of pre-event memory seconds 30  
 Number of post-event memory seconds 30  
 Total event number 5



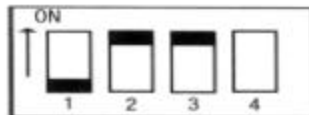
**Program 5**

Number of pre-event memory seconds 200  
 Number of post-event memory seconds 60  
 Total event number 2



**Program 6**

Number of pre-event memory seconds 45  
 Number of post-event memory seconds 15  
 Total event number 5



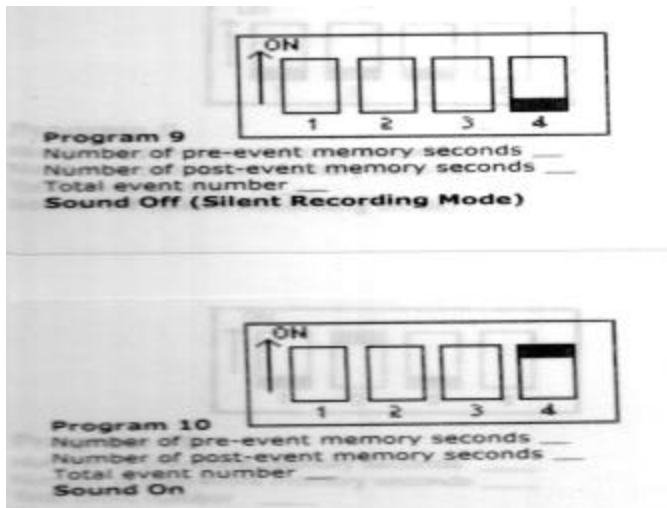
**Program 7**

Number of pre-event memory seconds 120  
 Number of post-event memory seconds 60  
 Total event number 5



**Program 8**

Number of pre-event memory seconds 60  
 Number of post-event memory seconds 60  
 Total event number 8



**Physical Specifications:**

Length:	7.4 cm
Width:	5.3 cm
Thickness:	1.8 cm
Weight:	90 gm

**Electrical Specifications:**

- o Center Frequency: 1915 to 2015 Hz
- o Frequency Deviation (Gain) : 90 to 110 Hz/mV

**Power Specifications:**

- o Battery: AA Alkaline (1)
- o Battery Life: Upto 14 days (One transmission per day)
- o Voltage: 1.5 volts

## HEARTRAK 1000



### Multiple Event Cardiac Recorder/ Transmitter

### For Continuous Heart Monitoring

### Symptoms :

Palpitations	Chest pain
Syncope	Transient Ischemic Episodes
Dyspnea	Light Headedness
Dizziness/Lightheadedness	Symptomatic Arrhythmias
Shortness of Breath	Unexplained Fatigue

### Features:

- Simple to Operate in both record and transmit modes
- Small & lightweight
- Battery Life is One Year (Up to 1000 events can be recorded or transmitted)
- Microprocessor controlled
- Low Battery Indicator

### Program Options:

Memory mode	Event Duration	Number of Events	Total
M1	60	3	180
M2	60	4	240
M3	60	5	300
M4	75	3	255
M5	75	4	300
M6	150	2	300
M7	300	1	300
M8	Future		

**Applications:**

- Transient symptomatic event detection
- Ischemia monitoring
- ST segment analysis
- Anti-arrhythmic drug monitoring
- Post MI follow-up
- Cardiac Rehabilitation

**Physical Specifications:**

Length:	90 mm
Width:	50 mm
Thickness:	16 mm
Weight:	2.8 ounces

**Electrical Specifications:**

- Frequency Response .5 Hz to 30 Hz
- Carrier Frequency 1500 Hz
- Deviation Sensitivity 100 Hz/Mv
- Input Impedance 2.5 mV

**Power Specifications:**

- Battery Type: CR2450 Lithium Coin Battery
- Battery Life: One Year (1000 Events can be recorded or Transmitted)

**POST EVENT CARDIAC MONITOR**



**Symptoms:**

Palpitations	Chest pain
Syncope	Transient Ischemic Episodes
Dyspnea	Transient Pre-Syncope
Dizziness/Lightheadedness	Symptomatic Arrhythmias
Shortness of Breath	Unexplained Fatigue

**Features:**

- o Simple to Operate in both record and transmit modes
- o Small & lightweight
- o Battery Life is One Year
- o Low Battery Indicator

**Program Options:**

Program	Events	Times
P-1	1	30
P-2	2	30
P-3	1	60
P-4	2	60
P-5	1	30
P-6	2	60
P-7	3	90
P-8	1	120
P-9	1	240
P-10	2	10

**Applications:**

- Post Myocardial infarction follow up
- Detection of infrequent arrhythmia
- Unexpected chest pain (ST Segment analysis)
- Cardiac rehabilitation
- Anti-arrhythmic therapy monitoring
- Drug study monitoring

**Physical Specifications:**

Length:	3.3 in
Width:	2.1 in
Thickness:	.375 in
Weight:	2.0 ounces

**Electrical Specifications:**

- Frequency Response .5 Hz to 30 Hz
- Carrier Frequency 1900 Hz
- Deviation/Sensitivity 100 Hz/Mv
- Input Impedance 2.4 MOhms

**Power Specifications:**

- Battery Type: 2430 Lithium Coin Cell, 3V
- Battery Life: Up to One Year (depending on usage)

## HEARTONE



Single Lead Cardiac Transmitter/Recorder

### Symptoms:

Palpitations	Chest pain
Syncope	Transient Ischemic Episodes
Dyspnea	Light Headedness
Dizziness/Lightheadedness	Symptomatic Arrhythmias
Shortness of Breath	Unexplained Fatigue

### Features:

- o Simple to Operate in both record and transmit modes
- o Small & lightweight
- o Low Battery Indicator

### Applications:

- o Cardiac patient follow up
- o Detection of infrequent arrhythmia
- o Cardiac Rehabilitation
- o Anti-arrhythmic therapy monitoring

### Physical Specifications:

Length:	63 mm
Width:	63 mm
Thickness:	13 mm
Weight:	60 gm (including Battery)

### Electrical Specifications:

- o ECG Channel Single Lead
- o Input Source 2 Thumb Electrodes
- o Frequency Response .5 Hz to 30 Hz
- o Input Dynamic Range + 2.5 mV to - 1.5 mV
- o Input Impedance 20 Mohms
- o Center Frequency 1900 Hz/ 3000 Hz
- o Frequency Deviation +200 mV to - 200 mV

### Power Specifications:

- o Battery Type: One alkaline 1.5 V AAA type Battery
- o Battery Life: 14 days (One transmission on single day)

## HEARTVIEW P 12/8



### 12/8 Lead Personal ECG Recorder / Transmitter

- Switch selectable: 8 or 12 lead recordings.
- 3-wire patient cable and 4 metal chest electrodes on the back of the unit.
- 3-step procedure enabling a patient to easily self-record an 8 or 12 lead ECG through a simple change of the device's position.
- Records 2.5 seconds per lead and 10 seconds of lead II as rhythm lead.
- In the first phase, simultaneously records rhythm lead and leads I, II, III, as well as aVR, aVL, aVF, V1, and V2.
- Second phase records V3 and V4.
- Third phase records leads V5 and V6.
- Transmits 12 lead ECG sequentially; separated by 1 mv calibration signal.
- Pocket size; weighs 110gm without battery.
- Frequency response: 0.05Hz - 150Hz

#### Applications:

To record a complete 12 lead ECG and transmits it to an emergency/diagnostic center.

Patient - for emergency and Diagnostic purposes, when ever the patient feels bad or exhibits any heart problem symptoms.

#### 12 Lead recording in three steps

