

HeartView™

12 Lead ECG Recorder/Transmitter

The Market's Smallest Professional ECG Transtelephonic Recorder/Transmitter

A user-friendly device, HeartView enables the transmission of comprehensive ECG data from any place and at any time. Users position the 10-wire patient cable that comes with the unit, in order to simultaneously record a 12-lead ECG. The recorded ECG is transmitted over the phone through an acoustic coupler connection to the Heartline Receiving Station (HRS) for immediate diagnosis. HeartView also offers an option for digital transmission.

Applications

- Diagnosis of cardiac symptoms
- Remote, home/clinic monitoring of chronic heart patients
- Transmission of ECG by General Practitioner to cardiac diagnostics center
- Clinical Studies

Features

- 10-wire patient cable
- Fast and simultaneous recording of a 12-lead ECG
- Records 2.5 seconds per lead and 10 seconds of rhythm lead
- Transmits 12 leads sequentially, separated by a 1mv calibration signal
- ECG data can be downloaded to any PC or notebook computer by using its serial interface
- Battery powered
- ST segment detection

Benefits

- Easy-to-use
- Small size guarantees greater convenience
- High quality ECG transmission
- Cost-effective
- No maintenance required



Technical Data

Electrical Characteristics

ECG Channel: 12 Leads
 Frequency Response: 0.05 to 150Hz
 CMRR: >60dB Typical (@ 50Hz/60Hz)
 Input Dynamic Range: $\pm 2.5\text{mV}$
 DC Offset Correction: $\pm 200\text{mV}$
 Sampling Rate: 375 Samples/Sec

Output

Modulation: FM Tone
 Center Frequency: 1900 Hz
 Frequency Deviation: 100 Hz/mV

Memory

Storage Capacity: One 12 Leads Recording
 ECG Indicator: LED flashes when stored event in memory

Power

Battery Type: 1x 9V Alkaline
 Battery Indicator: Amber LED flashes when battery is low

Physical Characteristics

Length: 120 mm
 Width: 60 mm
 Thickness: 25 mm
 Weight: 180 gr. (including battery)