

NEW
High Resolution
Wireless ECG



HeartView™

HeartView™ P12/8i High Resolution 12 or 8 Lead ECG Recorder/Transmitter for Personal Use



The HeartView P12/8i is a 12 (or 8) lead ECG event Recorder/Transmitter. It is a small yet very powerful device with high resolution 12-Lead ECG recording technology. The HeartView P12/8i is designed for patient use by its unique method of recording. The HeartView P12/8i enables the transmission of comprehensive ECG data from any place, at any time. The recorded ECG is automatically transmitted via Bluetooth to Aerotel's Mobile CliniQ App installed in your mobile device. The ECG data is then automatically sent from your mobile device to your cardiac call center for immediate diagnosis by using Aerotel's HeartLine Receiving Station (HRS) or any other compatible system. When necessary, it can also be transmitted acoustically, via a land line phone, directly to your cardiac call center.



HeartView™ P-12/8 i

High Resolution 12 or 8 Lead ECG Recorder/Transmitter for Personal Use

The HeartView P12/8i allows

- Diagnosis of cardiac symptoms
- Remote monitoring of Chronic Heart patients
- Recording and Transmission of an ECG by patient or qualified person to a cardiac call center
- Cardiac analysis for clinical studies

Product Highlights

- Simplified recording procedure using 3-wire and 4 embedded electrodes
- High resolution ECG
- Records 12 or 8 Lead ECG (selectable)
- Records up to 10 seconds per lead
- Bluetooth enabled for ECG data transmission
- Acoustic transmission capable via a land line phone
- ST segment recording capable
- Small, hand-held, battery powered



Tablet

smart phone



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Technical Data

Input Amplifier

Frequency Response: 0.05-150Hz
CMRR Ratio: >90dB (@50Hz/60Hz)
Input Range: ± 5 mV
DC Offset Correction: ± 300 mV
ECG Channel: 8 Leads or 12 Leads
Pacemaker Detection: Yes
Input Source: 3-wire, detachable patient cable + 4 chest electrodes
Patient Cable Electrodes: Disposable or none disposable electrodes
No calibration required

Sampling & Memory

A/D Sampling: 24Bit @1000 Samples/Sec
Recorded ECG Resolution: 500 Samples/Sec; 16bit
Lead Recording Length: 10 sec for each lead
Storage Capacity: Single event
Memory Type: Flash
Real Time Clock: Time stamp for every event
ECG Indicator: Green LED flashes when event is stored in memory

Signal Processing

High Pass Filter: 0.05Hz
Low Pass Filter: 150Hz
Baseline correction: Yes

Wireless Transmission

Technology: Bluetooth (Version 2.1+EDR)
Type: Class II Bluetooth
Module: Bluegiga WT12
Range: Upto 10 meters
Indicator: Blue LED

Acoustic Transmission

Modulation: FMTone
Center Frequency: 1900Hz
Frequency Deviation: 100Hz/1mV
Transmission Speed: x2

Power

Battery Type: 2x1.5V AAA batteries
Low Battery Indicator: Yellow LED flashes when battery voltage is low
More than 500 recordings on one set of batteries (1000mAh cells)

Operating Conditions

Temperature: 5°C to 40°C
Humidity: 15% to 93% RH
Atmospheric Pressure: 700hPa to 1060hPa

Physical Specifications

Length: 109mm
Width: 64mm
Thickness: 34mm
Weight: 140gr. (Including batteries)

