

NEW
High Resolution
Wireless ECG



HeartView™

HeartView™ 12L

High Resolution 12-Lead ECG Recorder/Transmitter
for Professional Use



One of the world's smallest ECG event Recorder/Transmitters, a small yet very powerful device with high resolution 12-Lead ECG recording technology. The HeartView 12L enables the transmission of comprehensive ECG data from any place, at any time. The recorded ECG is transmitted automatically 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.



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The HeartView 12L allows

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

Product Highlights

- High resolution ECG
- Simultaneous recording of a 12-lead ECG
- 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



Technical Data

Input Amplifier

Frequency Response: 0.05 - 150Hz
CMRR Ratio: >90dB (@ 50Hz/60Hz)
Input Range: $\pm 5\text{mV}$
DC Offset Correction: $\pm 300\text{mV}$
ECG Channel: 12 Leads
Pacemaker Detection: Yes
Input Source: 10 wire patient cable
Lead Off detection: Yes

Sampling & Memory

A/D Sampling: 24 Bit @ 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: 150 Hz
Baseline correction: Yes

Wireless Transmission

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

Acoustic Transmission

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

Power

Battery Type: 3 x 1.5V AAA batteries
Low Battery Indicator: Yellow LED flashes when battery voltage is low

Operating Conditions

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

Physical Specifications

Length: 129 mm
Width: 65 mm
Thickness: 30 mm
Weight: 131 gr. (Including batteries)



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