

AERA CT



Cardiac Outpatient Telemetry with Complete Mobility

Description

The simplicity and ease of use of the Aera CT belies its true capability; it is a battery-operated ambulatory electrocardiograph recorder for use in mobile cardiovascular telemetry. It is capable of storing 3 channels of patient ECG data acquired from either 3 or 5 surface electrodes adhered to the body for over 50 days of continuous recording. The Aera CT offers a completely unique experience: unparalleled signal quality as well as complete mobility for the patient.

Applications

- Holter Recorder
- Looping Event Recorder with Automatic Arrhythmia Detection
- Full Function MCT Recorder

Features

- **Automatic Arrhythmia Detection**
 - ✓ Bradycardia
 - ✓ Tachycardia
 - ✓ Atrial Fibrillation
 - ✓ Pause
- **Easy to Access Recordings**
 - ✓ Wireless data transfer to a remote server
 - ✓ Removable microSD
- **Simple Device Configuration**
 - ✓ Download settings wirelessly from remote server
 - ✓ Preload settings on the removable microSD card
- **Multiple 3-electrode and 5-electrode lead configurations**
- **Fully shielded patient cables**
- **Signal quality shown on color display during hookup for connection verification**
- **Patient Alerts**
 - ✓ Battery low
 - ✓ Electrodes disconnected
 - ✓ Text message from facility

Functional Specifications

ECG Channels.....3
Sample Rate.....256 Hz or 512 Hz
User interface.....Color graphic display with touch pad

Memory

Total Recording Time.....50+ days
Maximum Event Duration.....11 minutes
Media.....microSDHC Card
Data Retention.....10 Years

Physical Specifications

Dimensions.....4.25" x 2.7" x .89"
(108mm x 68.6mm x 22.6mm)
Weight with Battery.....6.4 oz (181 g)

Electrical Specifications

Input impedance.....>10 MOhm
CMRR.....>60 dB
AC signal range.....+/- 6mV
DC signal range.....+/- 300mV
Resolution.....3µV (12 bits)
Frequency Response.....0.05Hz to 40Hz (Default)
Adjustable Low Pass Filter.....30Hz -100Hz
Pacemaker Detection.....ANSI/AAMI EC38:2007

Environmental Specifications

Operating Temperature.....32 F (0 C) to 122 F (50 C)
Operating Humidity.....10% to 95%, non-condensing
Storage Temperature.....-4 F (-20 C) to 158 F (70 C)
Storage Humidity.....5% to 95%, non-condensing

Wireless Specifications

Service.....GPRS/EGPRS
Frequency Bands.....850/900/1800/1900 MHz

Battery Specifications

TypeSingle Cell, Lithium-Ion Rechargeable
LifeUp to 48 Hours from full charge

COMPATIBLE WITH



Event Monitoring, TTM Pacemaker Follow-up
& In-Clinic Pacemaker Management



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