



Braemar Fusion MCT



Mobile Cardiac Telemetry

- Diagnostic algorithms in the device automatically capture asymptomatic events via real time continuous analysis of cardiac rhythm while patient is mobile. Asymptomatic events include:
 - Atrial Fibrillation
 - Tachycardia
 - Bradycardia
 - Cardiac Pause
- Upon capturing an event, data is sent wirelessly without patient interaction to a 24/7 monitoring center for analysis by a certified cardiac technician.
- Single device for patient convenience, comfort and ease of use.
- Records and stores 30 days of full disclosure data. Any period of time can be retrieved remotely from the device for viewing during the monitoring session.
- Redundant data transmission via cellular wireless network or by *Bluetooth** as an optional backup if the patient is out of network.
- Allows for bidirectional data flow, so the physician can monitor the patient's cardiac events and remotely customize the settings for the patient throughout the time they are being monitored.
- Cellular transmitter embedded in the Fusion MCT uses a "Quad-Band" modem for maximum flexibility and is compatible with both GSM and GPRS cellular networks.

*Bluetooth is a registered trademark of Bluetooth SIG, Inc.

The Braemar Fusion Mobile Cardiac Telemetry Recorder combines the advantages of wireless technology with real time continuous analysis of a patient's cardiac rhythm in one device.

In addition to fast automatic wireless transmissions of patient data, it also stores up to 30 days of information.

Clinicians can query any period of interest at any time if more detailed patient data is needed about patient events.

Our Fusion Software confirms the events that are recorded by the Fusion MCT device and provides further insight into the data.

The Fusion system is the latest generation of our advanced products.

Braemar Fusion

Mobile Cardiac Telemetry Monitor

Fusion Software

FUNCTIONAL

Channels 2 channels
 Sample Rate 256 samples per second
 User Interface LCD display, sound and keypad

MEMORY

Max Total Recording Time
 Two Channel 30 days
 Type Flash
 Data Retention Non-volatile

PHYSICAL

Dimensions 2.25" x 4.1" (5.06" w/ antenna) x 0.75"
 (57.2 mm x 104.1 mm [131.06 mm]
 x 19.05 mm)
 Weight with Batteries 5.5 oz (155.92 g)
 Enclosure Molded plastic
 Operating Position Any orientation

ELECTRICAL

Input Impedance 10 Mohms minimum
 CMRR 60 dB minimum
 AC Signal Range +/- 5 mV
 DC Signal Range +/- 300 mV
 Resolution 2.44 uV (12 bits)
 Frequency Response 0.05 Hz to 40 Hz - 3 lead

ENVIRONMENTAL

Operating Temperature 0°C (32°F) to 45°C (113°F)
 Non-operating Temperature -20°C (-4°F) to 65°C (149°F)
 Operating Humidity 10% to 90% without condensation
 Non-operating Humidity 5% to 90% without condensation

BLUETOOTH TRANSMISSION

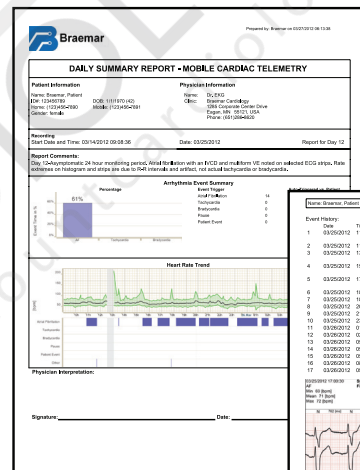
Frequency 2400 MHz
 Class 1
 Revision 2.1 + EDR

WIRELESS TRANSMISSION

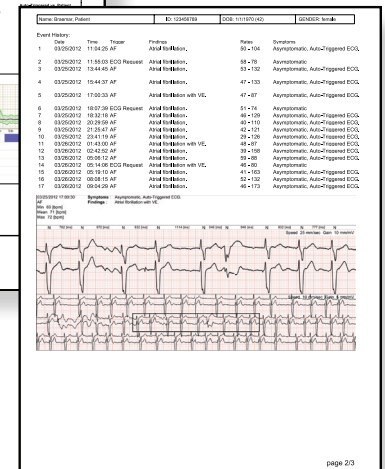
Type GSM/GPRS
 Frequency 850/1900 MHz

PROGRAMMABLE OPTIONS

- The software is web-based. All that is needed to access the software is an internet connection and a recommended web browser along with a valid log in.
- One server application which is easy to manage and update for multiple site locations.
- Secondary post processing of ECG data transmitted by the Fusion MCT device allows for greater accuracy and less false positives.
- Further analysis of data by trending AF burden and heart rate throughout a 24 hour period as well as entire monitoring session.
- Easily create Urgent (Stat), Daily Summary and End of Summary reports within the software.



Example of Daily Summary Report



BATTERY

Type (1) 3.6 V Lithium thionyl battery pack

WARRANTY One (1) Year

*Made in USA

*Specifications subject to change without notice



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