



ER920W Wireless

Cardiac Event Monitors



Next Generation Cardiac Event Monitor

- Diagnostic embedded algorithms that automatically capture asymptomatic events
 - Atrial Fibrillation
 - Bradycardia
 - Tachycardia
 - Cardiac Pause
- Single device for patient convenience, comfort and ease of use. Patient does not need to carry a separate cell phone and be concerned about power to both the device and cell phone.
- Powered by 1 AA Lithium Thionyl Battery Pack. No battery charger is required to power the cell phone.
- No patient interaction to transmit data. Simple, easy to use improving patient compliance.
- Transmission of data can be sent wirelessly or also transtelephonically as a backup if the patient is out of cellular network.
- Allows for bidirectional data flow, so the physician can monitor the patient's cardiac events and remotely program the device as required.
- Cellular transmitter embedded in the ER920W uses a "Quad-Band" modem for maximum flexibility and is compatible with both GSM and GPRS cellular networks.

The ER920W is the world's next generation

Cardiac Event Monitor. The ER920W

is an advanced wireless device that integrates cardiac arrhythmia monitoring and cell phone technologies in one unit.

The ER920W is a digital loop recorder that enhances diagnostic yield with on-board arrhythmia detection algorithms for automatic detection, recording and automatic transmission of patient data files to a service center for immediate analysis and physician attention. Transmission occurs without patient interaction.

The ER920W provides faster patient diagnosis, improves patient compliance and is far superior to the current cumbersome transmission method of traditional Cardiac Event Monitors.

ER920W

Wireless Arrhythmia Event Monitor

Product Specifications

FUNCTIONAL

Channels1 or 2 channel
 Max Number of Events30
 Sample Rate256 samples per second
 User interfaceLCD display, sound and keypad

MEMORY

Max Event Time
 One channel5 minutes
 Two channel5 minutes
 Max Total Record Time
 One channel30 minutes
 Two channel30 minutes
 TypeFlash
 Data RetentionNon-volatile

PHYSICAL

Dimensions2.82" x 4.33" (5.16" w/antenna) x.90"
 (71.6mm x 109.9mm [131.06mm]x 22.86mm)
 Weight with Batteries5 oz (141.75 grams)
 EnclosureMolded plastic
 Operating PositionAny Orientation

ELECTRICAL

Input impedance10 Mohm minimum
 CMR ratio70dB CMR
 AC signal range+/-3mV
 DC signal range+/-300mV
 Resolution23uV (8 bits)
 Frequency Response0.05Hz to 40Hz

ENVIRONMENTAL

Operating Temperature0°C (32°F) to 45°C (113°F)
 Non-operating Temperature...-20°C (-4°F) to 65°C (149°F)
 Operating Humidity10% to 95% (non-condensing)
 Non-operating Humidity5% to 95%



1 Channel Leads

2 Channel Leads

TRANSTELEPHONIC TRANSMISSION

Transmit Carrier1900Hz
 Carrier Deviation100Hz/mV

WIRELESS TRANSMISSION

TypeGSM/GPRS
 Frequency850/1900 MHZ or
 900/1800 MHZ

BATTERY

Type(1) 3.6V Lithium
 Thionyl Battery Pack

WARRANTYOne (1) Year

*Made in USA

*Specifications subject to change without notice



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