



# 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

Channels ..... 1 or 2 channel  
 Max Number of Events ..... 30  
 Sample Rate ..... 256 samples per second  
 User interface ..... LCD display, sound and keypad

#### MEMORY

Max Event Time  
 One channel ..... 5 minutes  
 Two channel ..... 5 minutes  
 Max Total Record Time  
 One channel ..... 5 minutes  
 Two channel ..... 5 minutes  
 Type ..... Flash  
 Data Retention ..... Non-volatile

#### PHYSICAL

Dimensions ..... 2.82" x 4.33" (5.16" w/antenna) x .90"  
 (71.6mm x 109.9mm [131.06mm] x 22.86mm)  
 Weight with Batteries ..... 5 oz (141.75 grams)  
 Enclosure ..... Molded plastic  
 Operating Position ..... Any Orientation

#### ELECTRICAL

Input impedance ..... 10 Mohm minimum  
 CMR ratio ..... 70dB CMR  
 AC signal range ..... +/-3mV  
 DC signal range ..... +/-300mV  
 Resolution ..... 23uV (8 bits)  
 Frequency Response ..... 0.05Hz to 40Hz

#### 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 95% (non-condensing)  
 Non-operating Humidity ..... 5% to 95%



1 Channel Leads

2 Channel Leads

#### TRANSTELEPHONIC TRANSMISSION

Transmit Carrier ..... 1900Hz  
 Carrier Deviation ..... 100Hz/mV

#### WIRELESS TRANSMISSION

Type ..... GSM/GPRS  
 Frequency ..... 850/1900 MHZ or 900/1800 MHZ

#### BATTERY

Type ..... (1) 3.6V Lithium Thionyl Battery Pack

WARRANTY ..... One (1) Year

\*Made in USA

\*Specifications subject to change without notice



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