

TRUSTED. RESPECTED. ARRHYTHMIA MONITORING

- 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 with and worry 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 Life Support Systems can monitor the patient's cardiac events and remotely reprogram the auto settings when requested by the physician.
- Cellular transmitter embedded in the WIRE~LSS uses a "Quad-Band" modem for maximum flexibility and is compatible with both GSM and GPRS cellular networks.



The WIRE~LSS is an advanced wireless device that integrates cardiac arrhythmia monitoring and cell phone technologies in one unit. The WIRE~LSS is a digital loop recorder that enhances diagnostic yield with onboard arrhythmia detection algorithms for automatic detection, recording and automatic transmission of patient data files to our receiving center for immediate analysis by our critical care staff.

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

WIRELESS^{EM} – Wireless Arrhythmia Event Monitor

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	30 minutes
Two channel	30 minutes

Max Total Record Time

One channel	30 minutes
Two channel	30 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	60dB
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%

TRANSTELEPHONIC TRANSMISSION

Transmit Carrier	1900Hz
Carrier Deviation	100Hz/mV

WIRELESS TRANSMISSION

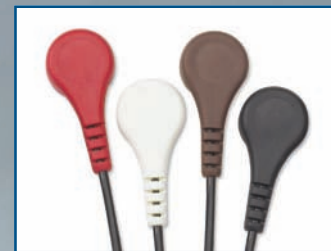
Type	GSM/GPRS
Frequency	850/1900 MHz

BATTERY

Type	(1) 3.6V Lithium Thionyl Battery Pack
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Made in USA

**Specifications subject to change without notice



2 Channel Leads



1 Channel Leads



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