WRM2
Wireless Remote Monitoring System

OVERVIEW
The WRM2 represents teledosimetry technology for the new millennium. This compact, robust system provides unparalleled features for wireless personnel and area monitoring and increases worker awareness of radiological environments through enhanced alarm indications.

KEY FEATURES
The WRM2 is a Multi-Frequency Hopping Spread Spectrum (FHSS) teledosimetry system for operational remote personnel and area radiation monitoring applications.

- Compact and rugged for indoor/outdoor applications
- High visibility LED, high decibel and vibration alarm indications
- Long-life battery and AC power
- Improved clip design
- Exceptional range >6000ft LOS and extendable using MESH Repeaters
- Offered in 900 MHz and 2.4 GHz frequencies
- Two-way communication options
- Compatible with MGPI air monitors and portable instruments
OPERATING CHARACTERISTICS

- Transmit Power Output: 100 mW (900 MHz), 50 mW (2.4 GHz)
- Receiver Sensitivity: -110 dBm (900 MHz) and –105 dBm (2.4 GHz)
- Frequencies: 900 (910-917) MHz or 2.4 GHz spread spectrum hopper
- Over the air data stream: 19,200 BAUD
- Addressable Range: from 0 to 65,000
- Programmable transmission intervals: from 1 sec to 16 sec

FCC approved, IC Certified, 2.4 GHz unit is CE marked. Gamma and beta gamma dosimeter compatible.

ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Battery Type</th>
<th>PAM-TRX</th>
<th>Base Transceiver</th>
<th>MESH Repeater/EXT</th>
<th>IMUX</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 VDC AA alkaline</td>
<td>1.5 VDC AAA NiMH</td>
<td>9 VDC Alkaline</td>
<td>1.2 VDC AA NiMH</td>
<td></td>
</tr>
<tr>
<td>3.6 VDC std</td>
<td>1.3 x 3.5mm coax</td>
<td>15 VAC 1A Coax center + pin</td>
<td>15 VAC 1A Coax center + pin</td>
<td>5 VDC 2.5A MUX connector</td>
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</tbody>
</table>

Battery Life: 35+ hours 4-8 hours 4-8 hours 24+ hours

External Power: 3 VDC std 1.3 x 3.5mm coax

PHYSICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Buzzer Frequency</th>
<th>PAM-TRX</th>
<th>Base Transceiver</th>
<th>MESH Repeater/EXT</th>
<th>IMUX</th>
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<td>2200±500Hz</td>
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Sound Level: >85dB @ 30cm

LED’s: Top & Front

Vibration: Standard Pager Type

Controls: Push button Rotary & slide switches Slide switch

Ruggedness: 6 drops @ 1.5m on concrete 2 drops @ 1m on concrete 2 drops @ 1m on concrete

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