



Telemetry Module

for DMC 3000™

For US Market Only



FEATURES

- Transmits radiological information, in pre-configured intervals to WRM2 Telemetry receivers
- Low-power optimized for long life
- Heart Rate Monitor
- Vibrating wristband for threshold alarms
- WRM2 900 MHz
- Battery Type: AAA (LR03 1.5v)
- External Power: 1.5V-3.6V through battery adapter
- Battery Life: >40 hours

DESCRIPTION

The Telemetry Module is an accessory device for the DMC 3000 that physically integrates into the dosimeter's case.

The purpose of the Telemetry Module is to transmit a worker's radiological data (accumulated dose, dose rate and alarm status) to other WRM2 Telemetry System components (Base Station, Repeater, etc.).

Although the Telemetry Module has been specifically designed as the most advanced addition to our dosimetry family (DMC 3000), it features seamless communication with all existing WRM2 Telemetry receivers.

Additionally, the Telemetry Module provides access to a variety of accessories, including health and supplemental visual alarm indicators for high stress and noisy environments via supplied Bluetooth connectivity.



OPERATING CHARACTERISTICS

- **Transmit Power Output:** 100 mW (900MHz), 10 mW - 63 mW (2.4Ghz) locally regulated
- **Receiver Sensitivity:** -106 dBm (900 MHz), -100 dBm (2.4 GHz)
- **Frequencies:** 900 (902-928) MHz or 2.4 ISM Frequency range
- **Over the air data stream:** 19.2k bps for WRM2 900 MHz or 250 K bps for WRMDM 2.4Ghz
- **Transmission interval:** 4 seconds or user configurable
- **Agency Approvals:** FCC (900MHz) (USA), IC (Canada)
- **Bluetooth V2.0:** 21EDR (SPP, HFP- AG) 63 mW
- **WRM2 Range:** 1.7 mi (900MHz), 1 mi (2.4Ghz)

ELECTRICAL CHARACTERISTICS

- Internal Power:
- AAA Alkaline Battery (LR03)
- External Power
- 1.5v - 3.6 vDC external power
- 100 - 220 VAC with USA and Euro Adapter

MECHANICAL CHARACTERISTICS

- Height: 4.8" (121 mm)
- Width: 2.3" (58 mm)
- Thickness: 0.98" (25 mm)
- Weight: 54 g without DMC 3000 and 165 g with the DMC 3000 and AAA Battery

PHYSICAL CHARACTERISTICS

- **Case:** Blue ABS plastic
- **LED:** Red, Green, Yellow, Blue, Magenta, Cyan and White LED's
- **Antenna Connectors:** Wired
- **PC Communications:** Micro-USB
- **Controls:** Accelerometer, tap.
- **Ruggedness:** drops on each face from 1.5m
- **Operating Temp:** -10°C to 50°C (14°F to 122°F)
- **Relative Humidity:** 10-95% Relative Humidity (without condensation)

