

DRM-1 (D)

Data Radiation Monitoring System



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The DRM-1 is a compact area radiation monitoring system offering unparalleled features for stand-alone, networked or wireless area monitoring solutions.

The DRM-1 is a portable or fixed position monitoring device to quickly identify changing radiological conditions for facility boundaries and perimeters.

The DRM-1(D) can be configured and deployed as a wireless monitoring system in arenas, stadiums, convention centers and transportation hubs for fast, accurate and reliable detection.

FEATURES...

Wide range of monitoring utilizing GM or CsI detectors, Mult-Frequency Hopping Spread Spectrum (FHSS) radio for remote surveillance.

- DRM-1: Two energy compensated, auto-switching GM tubes, (5 uR/hr to 1000 R/hr)
- DRM-1D: CsI detector for greater sensitivity for Homeland Security & Medical monitoring applications
- Optional external flashing light and/or siren alarm
- AC power with NiMH battery backup (8 hrs)
- Rugged, lightweight metal case
- Configuration and calibration software included
- 900 MHz or 2.4 GHz WRM2 Radio (FHSS)
- Compatible with WRM-Plus using External Transmitter

TECHNICAL SPECIFICATIONS:

Detector	<ul style="list-style-type: none"> • GM Tube ZP-1301 (or equiv) High Range • GM Tube ZP-1201 (or equiv) Low Range • Optional GM Tube ZP-1300 non-energy compensated • Optional CsI detector
Measurement Range	<ul style="list-style-type: none"> • 0.05 mr/hr to 1000 R/hr (0.5 mSv/hr to 10 Sv/hr) • Automatic switching between detectors at 800 mr/hr and 600 mr/hr
Accuracy	• + 10% of reading, within the measurement range
Energy Response	• + 20% at 70 keV to 2 MeV
Sensitivity (Cs137)	<ul style="list-style-type: none"> • 17 cps/mr/hr (Low Range): • 0.3cps/mr/hr (High Range)
Power	<ul style="list-style-type: none"> • External power supply and battery backup: • External power supply: Input 120-250 VAC, Output 9-15 Vdc with locking connector • Battery Back-up: Three (3) 1.2v NiMH 2100mA rechargeable • Battery operating life: up to 12 hours continuous operation
Temperature Range	<ul style="list-style-type: none"> • Operation: 15°F to 122°F • Storage: -5°F to 140°F
Humidity	• 10% to 95% RH (non-condensing)
Dimensions	v4.25" W x 7" L x 2.5" H (108mm x 178mm x 64 mm)
Weight	• 2 lbs. (907 gm)

DRM-1 with Remote Display Unit



DRM-1 NEMA Enclosure

