

# DRM-3000™

## Area Radiation Monitoring



detection  
monitoring  
radiation



### OVERVIEW

#### **Data Radiation Monitoring System**

Area monitoring device used for multiple applications including refueling, waste processing, calibration, medical isotope production, and radiation sterilizations.

### FEATURES

- New advanced data processing unit
- Network (POE) / RS-485 / Wireless connection
- Saves radiation data for up to 1 month
- Supports 1 internal and 3 external detectors
- Large Display: up to 4 detectors simultaneously

### APPLICATIONS

- General Area Monitoring, temporary or permanent
- Refueling Activities, i.e., Bridge, and underwater monitoring
- Waste Processing facilities – i.e., Resin transfers
- Calibration facilities
- Medical isotope production facilities
- Radiation Sterilization facilities

# DRM-3000

## SPECIFICATIONS

### ELECTRICAL CHARACTERISTICS

- Wall or Tabletop mounted
- Max. cable length: 100 yards between detector and meter
- 110 VAC to 14 VDC 2A
- Back-up battery: 24 hrs
- CPU Mainboard

#### **ARM Cortex®-A7 core i.MX 6UltraLite (NXP):**

- GUI and communication
- Firmware: Linux embedded
- Updates available via TCP/IP
- CPU Detectors

#### **ARM® 32-bit Cortex®-M3 CPU**

- Interface between Instrument and external Detectors  
firmware updates via TCP/IP
- Internal Detector: Wide range GM tube detectors– 0.01  
mR/hr – 1000 R/hr
- 3 x External Detectors: Serial (RS-485) or Digital pulse or  
Analogue pulse
- Auxiliary connector

#### **D-Type (26 pin):**

- RS-485 and 4-20 mA and External Power 24V and  
optional light tower and Dry contact
- RJ-45: Ethernet Cable

#### **10/100 BASE –TX PoE/IEEE 802.3 af/at compliant**

- Alert Indicators: (Optional) High volume buzzer: 100 dB at  
30 cm
- Telemetry Protocol: Mirion WRM2 (Internal detector or all  
external detectors)

### MECHANICAL CHARACTERISTICS

- Dimensions: 230 x 76 x 252 mm (9 x 3 x 10 in)
- Weight: 3.75 lbs (1.7 kg)
- Display: 7 in (HD)
- Casing Material: High Impact Plastic (ABS-PC) with  
Aluminum back cover

### ENVIRONMENTAL CHARACTERISTICS

- Weather proof IP-65
- CE Certified
- IP-65, CE Certified

