MIRION TECHNOLOGIES

AREA RADIATION MONITORING

DRM-3000™

Data Radiation Monitoring System

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

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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

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