METOR® RADIATION DETECTION (OPTION)

Rapiscan®

DATASHEET

PEDESTRIAN WALK-THROUGH METAL DETECTION WITH RADIATION DETECTION



KEY FEATURES AND BENEFITS

- Simultaneously screens for metallic and radioactive threats
- Distinguishes between medical, industrial, and special nuclear materials
- Easily integrates into systems already deployed
- ADA compliant



Radiation detection option for the Metor walk-through metal detector

The Metor family of walk-through metal detectors provides enhanced security at checkpoints and access-controlled entries in prisons and transportation hubs, as well as strategic industrial, nuclear, or government facilities.

Radiation detection is an option available with the Metor systems, expanding the systems' functionality to include gamma or gamma/neutron detection. This optional feature allows the Metor pedestrian portal to screen for both metallic and radioactive threats simultaneously.

With more than 1,000 deployments in over 50 countries, Metor walk-through metal detectors are trusted throughout the world, making this system one of the most reliable tools used by security professionals around the world.

SPECIFICATIONS

METOR® RADIATION DETECTION (OPTION)*

PHYSICAL SPECIFICATIONS

- **Operating Configuration:** Gamma detection; gamma and neutron detection
- **Side Panel External Dimensions:** 77 in H x 13 in W (195.6 cm H x 33 cm W)
- **Crosspiece External Dimensions:** 38 in L x 11 in W (96.5 cm L x 28 cm W)
- **Number of Gamma Detectors (1 per panel):** 2 detectors
- **Gamma Detector Material:** Polyvinyltoluene (PVT) plastic scintillator
- **Gamma Detector Size:** 68 in H x 3 in W x 1.5 in D (172.7 cm H x 7.6 cm W x 3.8 cm D)
- **Gamma Detector Weight:** 150 lbs (68 kg)
- **Gamma Detector Volume (total):** 10 liters

PERFORMANCE SPECIFICATIONS

- **Gamma False Alarm Rate:** 1 in 1,000 passages

ADDITIONAL SPECIFICATIONS FOR GAMMA/NEUTRON SYSTEM (ONLY)

- **Number of Neutron Detectors (1 per panel):** 2 detectors
- **Neutron Detector Material:** ^{10}B
- **Neutron Detector Size:** 1.125 in Dia. x 51 in L (2.9 cm Dia. x 129.5 cm L)
- **Neutron False Alarm Rate:** 1 in 1,000 passages
- **Neutron Alarm:** Blue flashing light and audible alarm

OPERATION

- **Inspection Mode:** Walk through
- **Gamma Alarms:** Red flashing light and audible alarm
- **Tamper/Fault Alarm:** Amber light
- **Power:** 12 VDC

ENVIRONMENT/SAFETY

- **Temperature:** -4 °F to 122 °F (-20 °C to 50 °C)
- **Humidity:** 0 to 95% non-condensing
- **Environmental Protection:** IP41

*This Radiation Detection option can be integrated into new or previously deployed Metor systems. For Metor System specifications, see individual Metor System datasheets.

**For neutron detection, please contact your sales representative to determine availability of ^{3}He tubes.

STANDARD FEATURES

- Gamma or gamma/neutron radiation detection
- Full-height coverage
- Designed for uses with Metor walk-through metal detectors:
  - Metor 6M
  - Metor 6E
  - Metor 6S

OPTIONAL FEATURES

- ADA compliance when 107 cm (42 in) crosspiece is used
- Neutron Detector**: ^{3}He
  - 2 detectors/1 per panel

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The performance characteristics and photos in this document are indicative and for information only and do not represent any specific system configuration. Specifications and features of individual systems will vary based upon customer requirements, operation, supplied options, and other factors. Customers must refer to the relevant quote, proposal, or contract for the definition of a system configuration, including specifications and optional items. Due to continual development of our products, we reserve the right to amend any of the information listed here without notice. Please note that due to U.S. laws and regulations, not all products are available for sale in all countries without restriction.

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