METOR

Radiation Detection

Simultaneous Metal Detection Capability Maintained

Rapiscan's Metor walk-through metal detectors are available with optional radiation detection capabilities in a single integrated system for people screening. Rapiscan's proven radiation inspection technology detects gamma radiation and optionally neutron radiation from a wide range of radioactive materials. The radiation detection performance meets the requirements of applicable standards for pedestrian security inspection. With the radiation detection option, people are automatically inspected for both metallic and radioactive materials as they walk through the unit. The user-friendly inspection operation is the same as for metal detection alone. Radiation inspection alarms are clearly signaled visually and audibly. The radiation detection option is available with a new Metor walk-through metal detector unit or as a field upgradeable enhancement to a deployed unit.

Automatically Detects Radioactive Materials

The Metor radiation detection capability automatically detects gamma and optionally neutron radiation from a wide range of radioactive materials, including industrial, medical and special nuclear materials.

Radiation Detection Meets Standards

The radiation detection performance meets the requirements of ANSI, IEC and IAEA standards for pedestrian security inspection.

Proven Reliable Radiation Inspection Technology

Rapiscan's radiation inspection technology has been proven in the reliable operation of thousands of Rapiscan radiation monitors deployed in more than 50 countries.

Fully Integrated with Metor Walkthrough Metal Detectors

The addition of radiation inspection makes no changes to the Metor walkthrough metal detector capabilities and people screening operation. The integrated unit fits in the same space with no modification of the screening checkpoint. Because the Rapiscan radiation detection technology ignores scattered X-rays, the unit can be located near a checkpoint X-ray scanner.

Features

- Gamma Radiation Detection
- Neutron Radiation Detection

Markets

- Aviation
- Critical Infrastructure
  - Nuclear Power Plants
  - Nuclear Research Facilities
  - Government Facilities
- Customs and Border Protection
- Event Security
- Defense
- Law Enforcement

METOR

Specifications

Integrated with Metor 6M/6E/6S
Overall Dimensions

Metor 6E	230cm H x 97.6 W x 70 L (90.5in H x 38 W x 27.6 L)
Metor 6M	230cm H x 97.6 W x 70 L (90.5in H x 38 W x 27.6 L)
Metor 6S	230cm H x 92.6 W x 70 L (90.5in H x 36 W x 27.6 L)
Weight	
Metor 6E	131kg (289lb) gamma; 140kg (309lb) gamma-neutron
Metor 6M	127kg (280lb) gamma; 136kg (300lb) gamma-neutron
Metor 6S	127kg (280lb) gamma; 136kg (300lb) gamma-neutron

Performance Specifications

Radiation Detection	Meets ANSI N42.35, IEC 62244 and IAEA 1240
Isotope Detection	Detects isotopes defined in standards
Background	Monitors and adjusts for background
Detection Coverage	Full height of person

Operation

Inspection Mode	Walk-through at standard pace
Alarms	Signaled with lights and sounder
Power	12VDC supplied from Metor 6E/6M/6S

Operating Environment

Temperature	-20°C to 50°C
Humidity	0 to 95% non-condensing
Environment	IP41
Safety	CE and CTL certified
Compatibility	Metor 6M, Metor 6E, Metor 6S

Configurations

Gamma Detection	Metor 6M or Metor 6E or Metor 6S with gamma radiation detection
Gamma and Neutron Detection	Metor 6M or Metor 6E or Metor 6S with gamma and neutron radiation detection