

TRANSPORTABLE PEDESTRIAN RADIATION PORTAL MONITOR.

AUTOMATED WALK-THROUGH
INSPECTION

RAPID, TEMPORARY DEPLOYMENT

EMERGENCY RESPONSE

SECURITY INSPECTION AT
EVENTS

MARKETS

- Aviation
- Critical Infrastructure
- Customs and Border Control
- Event Security
- Law Enforcement
- Defense



THE RAPISCAN PM704 TRANSPORTABLE PERSONNEL MONITOR IS THE SOLUTION OF CHOICE FOR TEMPORARY RADIATION INSPECTION APPLICATIONS.

It is ideal for inspecting people gathered at events, such as sporting venues, political conferences or government functions. First responders can quickly transport the PM704 to a site and be ready to inspect people for radiation contamination. It also serves as a backup pedestrian monitor when additional inspection capacity is needed.

REQUIRED DETECTION PERFORMANCE

The PM704 is a compact and lightweight system that delivers the required radiation detection performance for effective personnel inspection. Large collimated PVT gamma detectors are housed in the vertical pillars. The PM704 meets the requirements of US and international pedestrian inspection standards, as well as the US FEMA standard for radiological emergency response.

ATTRACTIVE RUGGED DESIGN

The PM704, which is suitable for indoor or outdoor installations, meets the IP65 environmental requirements. The attractive design is also rugged and able to withstand repeated uses with minimum maintenance.

EASY TO STORE AND DEPLOY

When not in use, the PM704 is safely stored in its protective case, which can easily be moved to wherever an inspection is needed. Once at the site, the unit is quickly assembled and ready to begin inspecting in a few minutes. The PM704 consists of just a few components - two vertical pillars, a horizontal top crossover between the pillars and foot plates for stability - that require no special tools to assemble.

TSA PM704

Rapiscan[®]
systems
An OSI Systems Company

PHYSICAL SPECIFICATIONS

Operating Configuration	Walk-through pedestrian monitor
Radiation Detectors	Two gamma radiation detectors
Gamma Detector Material	Polyvinyltoluene (PVT) plastic scintillator
Gamma Detector Size	72in H x 3in W x 1.5in D (182cm x 8cm x 4cm)
Gamma Detector Volume	10.6 liters total detector volume
Controller	Integrated in horizontal crossover
Controller Display	4x20 character alphanumeric LCD display
External Dimensions	88in H x 40in W x 14in D (224cm x 102cm x 36cm)
Internal Dimensions	80in Hx32in W (206cmx76cm); ADA compliant
Weight	90 lbs (41 kg)

PERFORMANCE SPECIFICATIONS

Gamma Radiation Detection	Meets ANSI N42.35 and IEC 62244
Emergency Response	Meets FEMA-REP-21 for radiation detection
False Alarm Rate	Typically less than 1 in 1,000 passages

OPERATION

Inspection Mode	Walk-through
Inspection Speed	3.9ft/s (1.2m/s) nominal
Ready Light	Green ready light signals OK to proceed
Alarms	Flashing lights and audible alarm
Main Power	90-240VAC, 50-60Hz
Backup Power	8 alkaline D cells for 10 hours of operation

OPERATING ENVIRONMENT

Temperature	-20°C to 50°C
Humidity	5 to 95% non-condensing
Environmental Protection	IP65

STORAGE

Storage Configuration	Disassembled in storage case
Storage Case	Hard-sided transport case with wheels

OPTIONS

Remote Oversight	Rapiscan RAVEN™, RTDC
Remote Access	Serial Port

STANDARD FEATURES

- Gamma Radiation Detection
- Storage Case

OPTIONAL FEATURES

- Rapiscan RAVEN™ compatible
- Rapiscan RTDC compatible
- Serial port

With continual development of our products Rapiscan Systems reserves the right to amend specifications without notice. Product pictures are for general reference. Please note that due to US laws and regulations, not all Rapiscan products are available for sale in all countries without restriction. Please contact your Rapiscan Systems sales representative for more information.

AMERICAS, CARIBBEAN

2805 Columbia Street
Torrance,
California
90503
UNITED STATES of AMERICA

Tel: +1 310-978-1457
Fax: +1 310-349-2491

EUROPE, MIDDLE EAST, AFRICA

X-Ray House
Bonehurst Road
Salfords
Surrey RH1 5GG
UNITED KINGDOM

Tel: +44 (0) 870-7774301
Fax: +44 (0) 870-7774302

ASIA

240 Macpherson Road
#07-01 Pines Industrial Building
Singapore
348574
SINGAPORE

Tel: +65-6846-3511
Fax: +65-6743-9915



Rapiscan Systems is ISO 9001:2008 Certified

sales@rapiscansystems.com
www.rapiscansystems.com