

# TSA PM704

Rapidly deployed walk-through personnel monitor for pedestrian inspection applications.

Walk-Through Pedestrian Monitor

Rapid, Temporary Deployment

Emergency Response

Security Inspection at Events

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.

## 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.

## 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.



## Standard Features

Gamma Radiation Detection  
Storage Case

## Optional Features

Rapiscan RAVEN™ compatible  
Rapiscan RTDC compatible  
Serial port

## Markets

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

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## 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 (41kg)

## 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

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### RAPISCAN RADIATION DETECTION PRODUCT LINE HEADQUARTERS

14000 Mead Street  
Longmont, Colorado 80504  
UNITED STATES OF AMERICA  
Tel: +1 970-535-9949  
Fax: +1 970-535-3285

### 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

### EMAIL

[sales@rapiscansystems.com](mailto:sales@rapiscansystems.com)

### WEB

[www.rapiscansystems.com](http://www.rapiscansystems.com)

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[www.rapiscansystems.com](http://www.rapiscansystems.com)