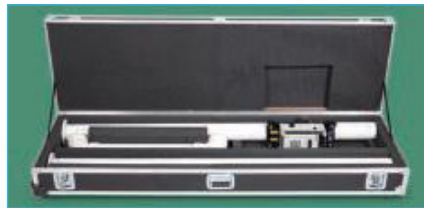


TPM 903B

Deployable Pedestrian Portal Monitor

This personnel portal monitor was designed for monitoring applications that require less sensitivity or for situations that require a semi-portable monitor. Whilst it has adequate sensitivity for security applications, it is primarily designed for use in hospitals, laboratories, and other locations where radioactive or Special Nuclear Materials (SNM) need to be monitored.

- A deployable portal monitor for indoor or outdoor installation.
- Continuously screens moving pedestrians.
- Provides early warning of hot spots, e.g. on protective clothing, and has design features suited for monitoring radiation workers, vehicles or the public. The aperture accommodates pedestrians, wheelchairs, walkers, ambulance gurneys and strollers; and can also be easily adapted as a vehicle monitor.
- Fast head-to-toe coverage; allowing for maximum throughput without the need for excessive searches.
- Detects shielded sources, providing high confidence for security and emergency response personnel.
- Provides maximum coverage of walk-through pedestrians as well as wheeled persons and items.
- Easy to operate and manage – a numeric keypad with an LCD display attaches to the pillar and provides both audible and visual alarm indicators. The system operates from an internal battery. Under normal conditions the memory should be adequate to store data for at least 3 months of operation.
- Very sensitive, highly uniform responses to gamma radiation.
- Quick and easy to set up.
- Lightweight construction.
- Easy to relocate.
- Cost effective, reliable detection.
- Controller can be remotely operated.
- Excellent price/performance ratio.
- Powered by AC or D-cell batteries.
- Monitors gamma radiation.
- Wide, full length detectors.
- Networkable.
- Backlit display.
- Brighter lamps.



Interface options

The TPM 903B is compatible with TSA RAVEN™ communications and software designed to both capture and view data and video images relating to a radiological detection incident.



Specifications

Detector volume	Two BC408 plastic scintillators, each 1829 mm x 75 mm x 38 mm (72" x 3" x 1.5"), 648 ^{cm} ; 1.6 mm (0.063") lead shielding around three sides over the full length.
Sensitivity	< 1 μ Ci under ambient conditions (RDA); ¹³⁷ Cs
Energy range	60 keV to 2 MeV
Walk-through time	2 seconds
Controller	4 x 20 character alphanumeric LCD display with password-protected keypad for: counting interval, N' STD DEV radiation alarm level, high/low background alarm levels, occupancy hold-in, lower level discriminator, upper level discriminator, date/time.
Indicators	Visible: Green 'ready/clear' light; red 'alarm/fault' light. Audible: Loud signal.
Operating temperature	-20°C to + 50°C (-4 to +122°F)
Dimensions	Assembled: 2310 mm x 930 mm x 610 mm (91" x 36.5" x 24") Packed: 2032 mm x 457 mm x 457 mm (80" x 18" x 18")
Weight	40 kg (90 lb)
Power requirements	90 to 264 VAC 47 to 63 Hz 50 VAC or six alkaline D-cells.



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