

TPM-903B

Transportable Radiation Portal Monitor



Easy Setup

- Clamp pillars to floor stands*
- Make MHV connections*
- Slide crossbar into push fit*
- Connect D-cell batteries and switch on*

FEATURES

- Quick and easy setup
- Lightweight construction
- Very sensitive, highly uniform responses to gamma radiation
- Exceeds FEMA ¹³⁷Cs sensitivity requirements
- Powered by AC or D-cell batteries
- Excellent price/performance ratio

FEATURES of the NEW TPM-903B

- Networkable
- Backlit display
- Brighter lamps
- Louder alarm
- Controller can be remotely operated

The TPM-903B is a lightweight, portable portal monitor that is ideal for either permanent or temporary installation. The aperture accommodates pedestrians, wheelchairs, walkers, ambulance gurneys and strollers; and can also be easily adapted as a vehicle monitor.

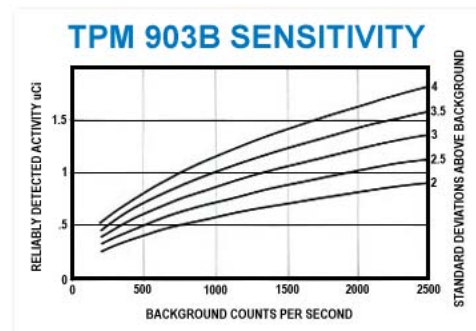
Emergency response teams, security forces, HAZMAT and evacuation teams can make use of the adaptable TPM-903B. Quick and easy installation with minimal instruction needed, it is the perfect tool to provide personnel radiation screening in an emergency response scenario or temporary security event. Head-to-toe coverage is

achieved in quick fashion, allowing for maximum throughput without the need for excessive searches of personnel, hand-carried items, or vehicles.

The TPM-903B also detects shielded sources, providing high confidence for security and emergency response personnel.

The TPM-903B exceeds the FEMA ¹³⁷Cs sensitivity requirements. Monitoring for beta and gamma radiation, the wide, full-length detectors of the TPM-903B provide maximum coverage of walk-thru pedestrians as well as wheeled persons and items.

- Lightweight construction
- Very sensitive, highly uniform responses to gamma radiation
- Exceeds FEMA ¹³⁷Cs sensitivity requirements
- Powered by AC or 40 hr battery
- Quick and easy setup
- Excellent price/ performance ratio



TPM-903B

SPECIFICATIONS

Detector Volume	2 x BC408 plastic scintillators, each 1829 mm x 75 mm x 38 mm (72 in x 3 in x 1.5 in). 648 in ³ ; 1.6 mm (1/16) lead shielding around three sides over the full length "
Sensitivity	< 1 iCi under ambient conditions (RDA); 137Cs
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 the following adjustments: counting interval, N' STD DEV radiation alarm level, high/low background alarm levels, occupancy hold-in, lower level discriminator, upper level discriminator, date/time
Occupancy Sensor	Adjustable infra-red motion sensor
Indicators	Visible: Green "ready/clear" light; red "alarm/fault" light Audible: Loud signal
Dimensions	2,310 mm x 930 mm x 610 mm (91 in x 36.5 in x 24 in) assembled 2,032 mm x 457 mm x 457 mm (80 in x 18 in x 18 in) packed in carrying bag
Weight	40 kg (90 lb) approx.
Power	90 VAC to 264 VAC, 47 Hz to 63 Hz, 50 VA, or six alkaline D-cells
Operating Temperature	-20°C to +50°C (-4°F to +122°F)
Options	
TPM-903VK	Transportable portal monitor vehicle kit
TPM-Case	Hard-sided transport case with wheels
TPM-Soft-Case	Soft-sided transport case with wheels

Setup of the TPM-903B

Setup is a breeze. Simply clamp the pillars to floor stands with the provided thumbnuts, make simple connections, slide the crossbar into push fit, connect the unit to AC power or D-cell batteries and switch it on.

With preset parameters, self-testing is complete in 2 seconds and background is acquired in 20 seconds. The TPM-903B is then operational.

If parameters need adjustment, the LCD display prompts the operator for setup values which are entered via the password protected keypad.

Alarm level, time and date, and signal amplitude discrimination level are all adjustable.

The TPM-903B is supplied in a ski-style bag containing just five main pieces: two support stands, two vertical pillars and the cross bar which holds the controller. With a total weight of only 90 lbs (approx.) it can easily be wheeled into place.

The TPM-903B operates equally well from AC power or six alkaline D-cells which provide over many hours uninterrupted use.



Rolling Carrying Case



Vehicle Monitor Kit

