

Thermo

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 New to the TPM-903B

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

The Thermo Scientific 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.

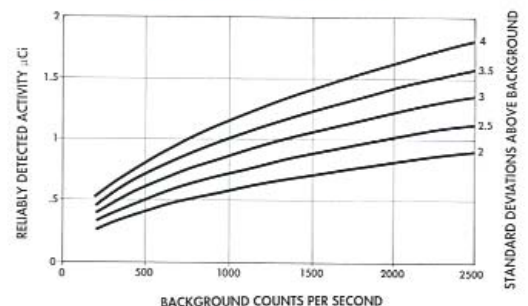
Emergency response teams, security forces, HAZMAT and evacuation teams can make use of the adaptable TPM-903B. Quick and easy installation with minimal instruction needed, it is the perfect tool to provide personnel radiation screening in an emergency response scenario or temporary security event. Head-to-toe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

TPM-903 SENSITIVITY



- **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**

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 Thermo Scientific 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.

Thermo Scientific TPM-903B

General 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 µCi 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 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



Optional Rolling Carrying Case

Vehicle Monitor Kit

