

# Portable or Fixed Personnel and Vehicle Monitor

Model Series: PPVM, PPVM-TA, PPVM-TA-1, PPVM-TB, PPVM-HM

## Specifications:

- Detectors (PPVM-TA & PPVM-TB): 2 ea. 12" x 1.5" x 44" premium Plastic Scintillation Sheets with a wide temperature range
- Detectors (PPVM-HM): 2 ea. 8" x 1.5" x 72" premium Plastic Scintillation Sheets with a wide temperature range
- Volume (PPVM-TA & PPVM-TB): 792 in<sup>3</sup> per detector\*
- Volume (PPVM-HM): 864 in<sup>3</sup> per detector\*
- Surface Area (PPVM-TA & PPVM-TB): 528 in<sup>2</sup> per detector\*
- Surface Area (PPVM-HM): 576 in<sup>2</sup> per detector\*
- Sensitivity: Detects 1 uCi of Cs-137 anywhere within portal based on 15-second count. Background up to 1 mR/hr. 28" portal width
- Range: 1 uR/hr to 1 mR/hr
- Rate of Change Design: Fast Alarming



## DETECTOR

- Power Requirements: Choice of AC or DC Operation or Sealed Car Battery (Approx. 28 hours per charge)
- Cables: User specified lengths



## COMPUTER

- Power Requirements: Operates on built in rechargeable batteries  
Smart Trickle Charge when Plugged into Wall (AC) or 110/220 AC
- Power Recharge Cable: 6 ft. cable furnished. Three Prong grounded connector
- High Level Alarm: Flashing red light and intermittent 2900 Hz tone. (90 dB)  
Volume adjustable / On/Off switch
- Alarm Set:
  - PPVM-TA: Internal factory set at .007 mR/hr rise per second. May be reset by user.
  - PPVM-TB: Internal factory set at 10% above ambient background. May be reset by user.
  - PPVM-HM: Internal factory set at .007 mR/hr rise per second. May be reset by user.
- Portable Cases: Weather-tight NEMA rated tough, durable, lightweight.  
A "tongue-in-groove" continuous O-ring" system makes the case water, moisture, and dust tight, and a low profile pressure release valve.
- Wall Mount Cases: HMC Tubular Locking System. Constructed of heavy 1.5 mm steel. Fits between 16-inch center wall studs, or on the floor. Full-length piano hinge door for easy access, rugged construction prevents accidental damage.



## TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

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