



Applications

- Gate Monitor
- Door Monitoring
- Border Control
- Customs check points
- Nuclear Facilities
- Defence Facilities
- Airport & Dockyards
- Steel Industry
- Export

Objects Of Inspection:

- Persons
- Hand Luggage
- Vehicles

INTRODUCTION

PLA's pedestrian and vehicle Monitor PVM-2 provides an effective method for monitoring pedestrians, vehicles carrying nuclear material. To prevent unauthorized movement of radioactive material & fissile material, this monitor can be installed at major transport routes, entry points of important buildings, airports, seaports & exit points of various nuclear installations. Also it is required to monitor a moving vehicle (truck/container) loaded with steel scrap material/finished products. It serves as gate monitor. For persons/pedestrians single pole/detector is sufficient, whereas for vehicles, 2 such detectors/poles are to be used. For quicker checking of larger vehicles, poles/detectors are to be increased in multiples of 2.

TECHNICAL SPECIFICATIONS

NUCLEAR

Radiation Detected	γ (Gamma)
Sensitivity	7 μ ci for CS 137 @1.5m @ 5km/h
Detector	Plastic Scintillation

INDICATIONS/INTERFACE

Alarm	Visual dome light on the pole & audio-visual alarm at the control unit
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MECHANICAL/ELECTRICAL

Overall Dimensions	Approx. 2m height of detector on a stand of 1 m
Power	230Volt AC, or (optional) battery backed up
Communication	RS-232 connectivity
Relay	Relay output provided for detected contamination for gate control.

ACCESSORIES

Manual

Note : Image of instrument is for illustration purpose.

CAT NO. PVM2/0718

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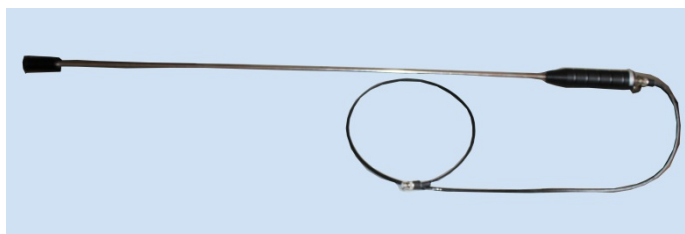
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PLA SURVEY METER

PRM164T

SALIENT FEATURES

Tele pole • MICRO CONTROLLER BASED • BACK-LIT LCD DISPLAY • DOSE RATE UPTO 5R/h, 50mSV/h • RECHARGABLE BATTERIES • COMPACT SIZE.



TECHNICAL SPECIFICATIONS

Radiation Detected	: γ (Gamma)
Detector	: GM tube with external one meter long tele pole
Unit Menu	: R/h, Sv/h,
Doserate Range	: 0.1mR/hr to 5R/h, 1 μ Sv/h to 50mSv/h
Time Constant	: Auto
Accuracy	: \pm 15% (CS-137)
Display	: 8 x 2 Character Back-lit LCD
Backlit ON/OFF button	: Backlit can be turned ON/OFF to save power
Chirp	: Buzzer sound per count provided with enable / disable facility.
Alarm	: Audio & visual settable alarm
User Interface	: Menu driven with UP, RIGHT, ENTER buttons.
EHT (factory set)	: 500V DC approx.
Battery	: Rechargeable batteries with charger. Two nos. 1.5V Alkaline batteries can also be used
Size	: 13.5cm x 7cm x 2.5cm approx.

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