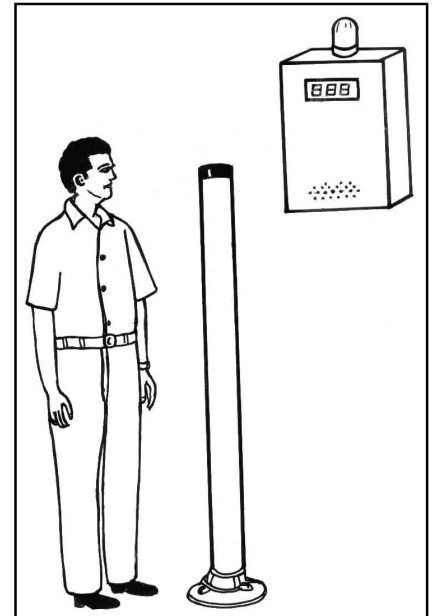
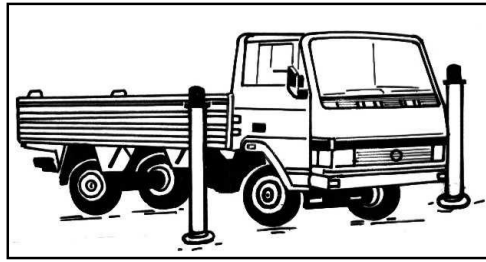


## **PEDESTRIAN & VEHICLE MONITOR**

### **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-1 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 PARAMETERS:**

Radiation Detected	: Gamma
Sensitivity	: 1 $\mu$ Ci for Co-60 or 2.5 $\mu$ Ci for Cs-137 with a monitoring time of 2sec in the ambient background of 0.10 $\mu$ Sv/h in the radius of 0.5 meter around the monitor. 4 $\mu$ Ci Co-60 at 1.25meter
Detector	: Plastic Scintillation
Overall Dimensions	: 110mm dia., 1.7m height (excluding base)
Alarm	: Visual dome light on the pole & audio-visual alarm at the control unit
Power	: 230Volt AC, or (optional) battery backed up solar power operated.
Communication	: RS-232 connectivity
Relay	: Relay output provided for detected contamination for gate control.

Cat. No. : PVM-1/0809

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