

Model PCM-2A Para Contamination Monitor (GM Tube based)



Contamination Monitor PCM-2A

PCM-2A, Contamination monitor is used for measurement of radioactive contamination in Nuclear Power Plants, Nuclear Medicine Centers. This instrument is ideally suitable for scanning material, tools, clothing, personnel etc. It is a mains operated unit & includes nuclear detector (GM tube) assembly probe and processing electronics. Indication of CRM in ranges of 0 to 10, 100 or 1000 CPS is available on 96 mm X 96 mm square, taut band meter. Range Selector switch enables user to select CRM range or HV or Alarm Level in percentage.

Specifications (PCM-2A)

Detector Assembly (GM Tube)

Detectors	Thin walled GM Tube / Pancake type Frikser arrangement (Other GM detectors also can be offered as option)
Housing	Chrome plated brass tube with shield to prevent beta detection
HV supply	0 to 1000 Volts @ 1 mA internally set at detector operating voltage

CRM and Failure Alarms

Alarms	Beeper and Red Flasher ON when count rate exceeds preset level
Set Point Adjustment	Adjustment over entire range
Reset	Push switch to clear alarm condition
Failure Alarm	Red Flasher alarm is continuously ON if no pulse is detected within 60 secs
No Pulse Alarm	Continuous ON Red LED

Count Rate Meter

Linear CRM	Three ranges of 0-10, 100 and 1000 CPS switch selectable
Accuracy	±5 % of full scale
Display	Taut band 96 x 96 mm square panel meter, 270° deflection pointer movement for indication of CRM, HV and Alarm Level

General

Enclosure	Powder coated Aluminium table top box
Dimensions	300 L X 230 W X 155 H mm
Weight	Approx. 4 Kg
Power	240 V (± 10%), 50 Hz, single phase mains supply

Due to continuous R&D, specifications are likely to change without notice

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