

### SALIENT FEATURES

- Multi-purpose survey cum contamination monitor for measuring Alpha, Beta, Gamma, & X-Rays
- Measures mR/h, Sv/h, CPS, CPM, Bq/cm<sup>2</sup>, Counts
- Dosrate 0.01 to 200mR/h, 0.1μSv/h to 2mSv/h
- Contamination upto 10 KCPS, 300KCPM, 99.9Bq/cm<sup>2</sup>
- Preset time counts
- Audio Visual Alarm
- Light weight 375 gms, Compact size



TECHNICAL SPECIFICATIONS	
<b>NUCLEAR</b>	
Radiation Detected	α(Alpha), β(Beta), γ (Gamma), & X-Rays
Detector	Internal Pancake GM tube (areal density ≈ 1.5-2.0mg/cm <sup>2</sup> , Effective dia ≈ 1.75") with blockers
Unit	mR/h, Sv/h, CPS, CPM, Bq/cm <sup>2</sup> , Counts
Chirp	Buzzer sound per count provided with enable / disable facility.
Alarm	Audio & visual settable alarm
Dose rate Range	0.01 to 200mR/h, 0.1μSv/h to 2mSv/h
Count Rate Range	Upto 10 KCPS, Upto 300 KCPM
Counts Range (Preset time)	1 to 999999 counts in Presetable time of 1 to 9999sec. with Start/Stop/Reset function by Enter key
Contamination range	0.01 to 99.9 Bq/cm <sup>2</sup> *
Time Constant	Auto
Accuracy	±15% (CS-137)
<b>INDICATIONS/INTERFACE</b>	
Display	8 x 2 Character Back-lit LCD
Back-lit LCD Backlit ON/OFF button	Backlit can be turned ON/OFF to save power
User Interface	Menu driven with UP, RIGHT, ENTER buttons, LED and buzzer for alarm, chirp
<b>MECHANICAL/ELECTRICAL</b>	
EHT (factory set)	500V DC approx.
Battery	1.5V AA Alkaline size Two nos. (1.2V AA Size Rechargeable batteries can also be used)
Battery life	80 hrs for rechargeable batteries
Size & Weight	13.5cm x 7.5cm x 4cm approx. & 375 gms.
Drop Protection	Silicone Rubber sleeve
<b>ACCESSORIES</b>	
<b>Standard</b> : Manual, carrying case, Alpha-Beta blocker, Silicone rubber drop protection Calibration certificate from NABL accredited lab (2 year validity)included	
<b>Optional</b> : Retractable Extension arm 1m approx. , Alpha blocker	

### NOTE:

1. Bq/cm<sup>2</sup> can be measured for any one isotope of known efficiency. Efficiency can be derived by measuring CPS of standard source. Efficiency, background and isotope label to be manually entered.
2. Photo of instrument is for illustration purpose.
3. Optional accessories are at an extra cost

CAT : PCRM162D/1123

## PLA ELECTRO APPLIANCES PVT. LTD.

PLA HOUSE (THAKOR INDUSTRIAL ESTATE), KURLA - KIROL ROAD, VIDYAVIHAR (WEST), MUMBAI - 400 086

Tel: 2511 6864 / 6865 FAX: 91-22 - 2516 8948 WEB: [www.plaelectro.com](http://www.plaelectro.com) E-Mail: Enquiry – [marketing@plaelectro.com](mailto:marketing@plaelectro.com)  
General – [pla@plaelectro.com](mailto:pla@plaelectro.com)