

CONTAMINATION CUM SURVEY METER

SALIENT FEATURES

- MICRO CONTROLLER BASED • BACK-LIT LCD DISPLAY • 0.01 TO 200 mR/HR • 0.1 μ SV/H TO 2mSV/H • CPS • CPM • bq/cm² • PANCAKE PROBE • RECHARGABLE BATTERIES.



TECHNICAL SPECIFICATIONS

Radiation Detected	: β (Beta) & γ (Gamma)
Detector	: Pancake GM tube (areal density \approx 1.5-2.0mg/cm ² , Effective dia \approx 1.75") with β/γ discriminator
Unit Menu	: R/h, Sv/h, CPS, CPM, Bq/cm ²
Count Rate Range	: Upto 10 KCPS, Upto 50 KCPM
Dose rate Range	: 0.01 to 200mR/h, 0.1 μ Sv/h to 2 mSv/h
bq/cm² range	: 0.01 to 99.9 bq/cm ² *
Time Constant	: Auto
Accuracy	: \pm 15% (CS-137)
Display	: 8 x 2 Character Back-lit LCD
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	: 14cm x 8.5cm x 5.3cm approx.

Note : Bq/cm² can be measured for any one isotope of known efficiency. Efficiency can be derived by measuring CPS of standard source. Efficiency and background to be manually entered.

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PLA ELECTRO APPLIANCES PVT. LTD.

THAKOR INDUSTRIAL ESTATE, KURLA - KIROL ROAD, VIDYAVIHAR (WEST), MUMBAI - 400 086
TEL : 2511 6864 / 6865 FAX : 91-22 - 2516 8948 WEB : www.plaelectro.com E-Mail : pla@plaelectro.com