



Drawer for filter paper

SALIENT FEATURES

- Measures mR/h, Sv/h , CPS, CPM, Bq/cm², Counts
- Dosrate 0.01 to 50mR/h, 0.1μSv/h to 500μSv/h
- Contamination upto 10 KCPS, 300KCPM, 99.9bq/cm²
- Preset time counts
- Audio Visual Alarm
- Can also be operated on Rechargeable Battery
- Light weight 375 gms , Compact size

TECHNICAL SPECIFICATIONS**NUCLEAR**

Radiation Detected	α(Alpha), β(Beta) & γ (Gamma)
Detector	Internal Pancake GM tube (areal density ≈ 1.5-2.0mg/cm ² , Effective dia ≈1.75") with blockers
Unit	mR/h, Sv/h , CPS, CPM, Bq/cm ² , Counts
Chirp	Buzzer sound per count provided with enable / disable facility.
Alarm	Audio & visual settable alarm
Dose rate Range	0.01 to 50mR/h , 0.1μSv/h to 500μSv/h
Count Rate Range	Upto 10 KCPS, Upto 300 KCPM
Counts Range (Preset time)	1 to 99999 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 ² *
Time Constant	Auto
Accuracy	±15% (CS-137)

INDICATIONS/INTERFACE

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

MECHANICAL/ELECTRICAL

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

ACCESSORIES

Standard : Manual, carrying case, Alpha-Beta blocker, Silicone rubber drop protection
Calibration certificate from NABL accredited lab (2 year validity)included

Optional : Retractable Extension arm of 65cm approx., Filter paper drawer assembly, Alpha blocker

NOTE: 1) Bq/cm² 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 : PCRM161D/0220

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