

SALIENT FEATURES

- Gamma Survey meter with alpha beta contamination probe
- Simultaneous alpha beta contamination survey
- Gamma dose rate range 0.1 μ Sv/h, 100 mSv/h
- Operable on rechargeable batteries
- Standalone gamma measurement when probe not connected



TECHNICAL SPECIFICATIONS – GAMMA SURVEY METER

NUCLEAR	
Radiation Detected	γ (Gamma)
Detector	GM tube
Dose rate Range	0.1 μ Sv/h to 100 mSv/h
Response Time	2 to 3 seconds above 1mR/h
Accuracy	\pm 15% (CS-137) above 1mR/h
INDICATIONS/INTERFACE	
Display	16 x 2 Character 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 multifunction keypad
Memory	Internal memory to store measurement
Multifunction UART Port	For connection alpha beta contamination probe. When probe is not connected same port can be used to communicate with PC. UART serial port for dumping data.
MECHANICAL/ELECTRICAL	
EHT (factory set)	500V DC approx.
Battery	Four AA Size 1.2 V NIMH Rechargeable batteries
Size, Weight	175 mm x 82 mm x 32 mm approx. 490 gms.
Battery Life	24 hours approx. when fully charged.
ACCESSORIES	
<ul style="list-style-type: none"> • Wrist strap for survey meter • Silicone sleeve for drop protection of survey meter • UART to USB connector with cable 	
TECHNICAL SPECIFICATIONS – ALPHA BETA CONTAMINATION PROBE	
Radiation Detected	α (Alpha) & β (Beta)
Detector	ZnS (Ag) for alpha and plastic scintillator for beta detection coupled with PM Tube
Measuring Range	1 to 9999 CPS
Channels	2 (Alpha and Beta)
Measuring Units	CPS, CPM, Bq,DPM
Detector Area	100 cm ²
Efficiency	25% or more with Am-241 and 20% or more with Sr90Y90
Crosstalk	Alpha to beta <10% & beta to alpha <1%
Serial communication	With above survey meter
Metal Protective Grid	Transparency minimum 78%
Connection Cable	1500 mm, with suitable connectors for contamination probe to connect with above survey meter
Size, Weight	265 mm x 100 mm x 85 mm approx. 800 gms.

CAT No.: PCRM100/0623

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