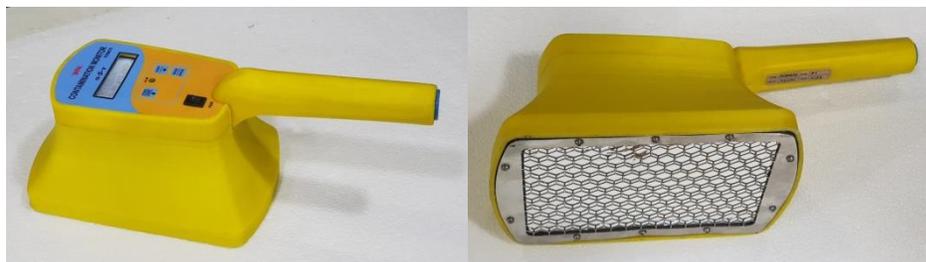


SURVEY METER CUM CONTAMINATION MONITOR PCRM170

(Made in India)



TECHNICAL SPECIFICATIONS	
NUCLEAR	
Radiation Detected	γ (Gamma), α (Alpha) & β (Beta)
Detector	Thin layer plastic scintillation detector with ZnS(Ag) coating covered with aluminised mylar coupled to suitable PM Tube and integrated GM counter for dose rate measurement
Mylar Protection mesh	Specially designed thin honey-comb pattern S.S. mesh for better efficiency & better open-to-close ratio.
Contamination Range	0.1 to 9999 cps
Contamination unit	CPS, CPM ,DPM, Bq
Channels	2 (Alpha and Beta)
Time constant	Settable 1s-60s individually for Alpha & Beta
Background	Alpha : approx. 0.1cps, Beta-Gamma : approx. (10-15)cps
Detector Area	160 sq cm. (sensitive area)
Efficiency	Above 241Am-20 %, Sr90 25%
Crosstalk	Alpha to beta <10% & beta to alpha <1%
Dose rate Range	0.1 μ Sv/hr to 100 mSv/hr Auto ranging
Dose rate accuracy	\pm 15% (CS137)
INDICATIONS/INTERFACE	
Display	Integrated 16X2LCD Display with illumination
Keyboard	Multifunctional UP, RIGHT, ENTER keys
Alarm	Audio & Visual settable
MECHANICAL/ELECTRICAL	
Housing	Ergonomically shaped plastic housing
Battery/Power supply	Rechargeable AA size battery x 2 Nos
Battery Life	12 hrs when fully charged.
Size, Weight	Approx. 330mm (L) x 125mm (W) x 125mm (H) with handle, (Weight 850gm)
Operating Temperature Range	-10°C to 50°C
ACCESSORIES	
<ul style="list-style-type: none">• Battery charger• Instrument manual• Calibration certificate	

CAT No.: PCRM170/0923

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