

Dosimeter (α , β , γ) LDSM-B10



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Dosimeter (α , β , γ) LDSM-B10 is a portable surface contamination monitor with waterproof portable case having 40 °C to 50°C temperature range and 2 kind of measurement ranges like Counting rate up to 0 to 500000 CPM, 0 to 8000 CPS where as Radiation dose rate up to 0.01 to 10000 μ Sv/h, 4 alarm models programming system. Features pancake GM tube detector with detection efficiency of Sr-90 and Am-241. Instrument will see alpha, beta, and gamma radiation. It is applicable for Nuclear power station, environmental protection bureau etc.

Features

- LED backlight display
- Pancake GM tube Detector
- 2 AA size battery
- 4 alarm models programming system with Audio and shake alarm of exceeded programmed threshold levels
- Display unit: CPM ,CPS, Bq/cm², μ Gy/h, μ Sv/h

Applications

Dosimeter (alpha, beta, gamma) useful in nuclear power station and other radioactive area, Environmental protection bureau, public health bureau, inspection and quarantine bureau, radiology department of hospital, radio action laboratory and Radiation in industrial radiation accelerator and gamma radiation in industrial

Specification

MODEL No.	LDSM-B10	
Temperature Range	40 °C to 50°C	
Measurement Ranges	Counting rate	0 to 500000 CPM, 0 to 8000 CPS
	Radiation dose rate	0.01 to 10000 u Sv/h,
Energy Ranges	25 KeV to 7 MeV	
Display Unit	CPM, CPS, Bq/cm2, μ Gy/h , μ Sv/h	
Detector	Pancake GM tube. Φ : 45 mm	
Detection Efficiency	Sr - 90(546 KeV, 2.3 MeV β max) about 75%	
	Am - 241(5.5MeV α) about 36%	
Sensitivity	3500 CPM/ mR /h(according to Cs-137)	
Humidity	\leq 85% RH	
Power	Two AA size battery	
Internal Dimension	160 × 85 × 38 mm	
External Dimension	260 × 206 × 126 mm	
Net Weight	0.5 kg	
Gross weight	0.9 kg	