



DOSIMETER BDOS-101

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SURFACE CONTAMINATION MONITOR

Dosimeter is a device that measures either directly or indirectly, the quantities exposure, absorbed dose or equivalent dose, or their time derivatives (rates), or related quantities of ionizing radiation.



Digital LED display
Back Light Compensation
Audio and shake alarm of exceeded programmed threshold levels
Programming of alarm threshold level relative to radiation dose rate
Programming of the four alarm models:audio,shake,radio,alarm
Display unit: CPM, CPS, Bq/cm², μ Gy/h, μ Sv/h.

SPECIFICATIONS

Model	BDOS-101
Sensitivity	Sensitive to ALPHA, BETA, X-RAY, GAMMA
Measurement Ranges	Counting rate: 0~500000 CPM, 0~8000 CPS; Radiation dose rate: 0.01~1000 μ Sv/h
Detector	Pancake GM tube, Φ 45 mm
Energy Ranges of Measurement	25 KeV ~ 7 MeV
Detection Efficiency	Sr-90 (546 keV, 2.3 MeV β max): 75%; Am-241 (5.5 MeV α): 36%
Sensitivity (Cs-137)	3500 CPM/mR/h (Cs-137)
Battery Type	AA battery x 2
Instrument Dimensions and Weight	160 x 85 x 38 mm, 0.5 kg
Instrument Container Dimensions and Weight	260 x 206 x 126 mm, 0.9 kg
Alt Name	Surface Contamination Monitor

APPLICATIONS

Environmental protection bureau,public health bureau,inspection and quarantine bureau,radiology department of hospital,radiation laboratory,

Radiation in industrial radiation accelerator and gamma Radiation in industrial

Nuclear power station

Other radioactive area



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