

2. GM Based Radiation Survey Meter

1.	Radiation Detected	Gamma and X-rays
2.	Detector	Miniature halogen quenched internally mounted energy compensated GM & window
3.	Energy Response	100 KeV to 1.3 MeV
4.	Measurement range	Either digital or analogue capable of covering 0 to 5000 mR/hr.
5.	Range Selection	In case of digital it should auto ranging and for analogue push button
6.	Indications	Instrument should have an alarm and low battery indication
7.	Accuracy	± 20% of reading with Cs-137
8.	Response Time	Less than 5 sec
9.	Readout	In case of Analogue (with 50 divisions) or Digital
10.	Sound	Piezo buzzer chirps
11.	EHT	Voltage to be displayed during initial startup and whenever battery is low then "Low bat" symbol should pop up on the screen.
12.	Power	Standard AA size or AAA size alkaline Battery
13.	Controls	a) On off switch on both digital and analogue models b) No range selection on digital models
14.	Construction Material	Aluminium or ABS Plastic or equivalent
15.	Handling	Compact and easy to handle
16.	Weight	150 to 400 grams
17.	Manual	Each instrument should be provided with its operating manual
18.	Temp. Range	- 20 °C+ 50°C
19.	Warranty	One Year from the date of delivery
20.	Carry Case	Injection moulded plastic case with customised body
21.	Spare & service support	Assured supply of spare & maintenance for 10 years

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