

SmartRad: Radiation Survey Meter

with internal Beta / gamma / X-Ray Detector



Pulsecho Systems



- 0.00 mR/H to 10 R/H, Auto Ranging.
- Dose range from 0-999 mR
- Graphic LCD Display With LED backlight
- Internal type G.M. Detector
- Energy Response*: 100 KeV to 1.3 MeV (for SmartRad Micro see graph on next page)
- Menu driven Operation Built in buzzer audio chirps for exposure rate.
- Shows Calibration Due Date at On / Off
- Analog bar shows sudden variation in radiation
- Alarm thresholds for Dose and Exposure rate
- Statistical screen for Max & 30 Sec Average
- Available in Roentgen or Sievert Scale
- Counts per Second (CPS) available for contamination monitoring (SmartRad Beta & SmartRad Micro)
- Auto Switch Off
- Accuracy $\pm 15\%$ with CS-137
- ABS casing, compact and light weight
- Size 140 x 65 x 50 mm; Weight 300 gm



(SmartRad Mini)

(SmartRad Lo)

(SmartRad Beta)

(SmartRad Micro)

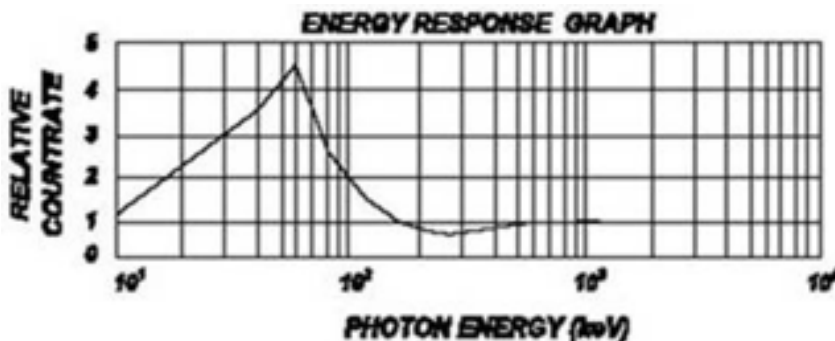
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Pulsecho Systems

	SmartRad Mini	SmartRad Low	SmartRad Beta	SmartRad Micro
Radiation Detected	Gamma & X-Ray		Gamma, X-Ray & Beta	Gamma, X-Ray, Alpha & Beta
Detector	Miniature halogen quenched internally mounted GM Tube shielded for energy correction		Miniature halogen quenched internally mounted GM Tube shielded for energy correction with openable Beta window	Externally mounted halogen quenched pancake GM detector with openable Beta shield
Measuring Range in Roentgens	Rate: 0.1 mR/h to 9.99 R/h Dose: 0.1 mR to 999 mR (in up to 2 R/h field)	Rate: 0.01 mR/h to 1.0 R/h Dose: 0.01 mR to 999 mR (in up to 1 R/h field)	Rate: 0.01 mR/h to 999 mR/h Dose: 0.01 mR to 999 mR (in up to 1 R/h field)	Rate: 1 μ R/h to 99.9 mR/h Dose: 0.01 mR to 999 mR (in up to 100 mR/h field)
Measuring Range in Sievert	Rate: 1 μ Sv/h to 99.9 mSv/h Dose: 1 μ Sv to 99.9 mSv (in upto 20 mSv field)	Rate: 1 μ Sv/h to 9.9 mSv/h Dose: 1 μ Sv to 99.9 mSv (in upto 10 mSv field)	-	Rate: 0.01 μ Sv/h to 999 μ Sv/h Dose: 0.01 μ Sv to 999 μ Sv (in upto 1 mSv field)
Measuring Range in Counts Per Second (CPS)	-		Rate: 0 to 18000 CPS	Rate: 0 to 6000 CPS
Accuracy	±15% when calibrated with Cs 137			
Operating Temperature	0° to 50° C			
EHT	500V (nominal) Regulated			
Battery	4 penlite dry cells (Gives 50 to 60 Operating Hours)			
Dimensions (in mm)	140 x 65 x 50			140 65 x 50 + External Probe
Weight (with battery)	250 grams			500 grams with external probe



*SmartRAD Micro Energy Response