Radiation Monitoring

Radiation Survey Meter, Monitor 4

General purpose, low cost, analogue meter for detecting Alpha, Beta, Gamma and X-rays in medical, educational and industrial applications.

- Compact design
- Dual milliRad (mR) per hour or counts per minute (CPM) analogue scale display with three selectable ranges and separate, user selectable count bleeper
- Battery powered

Ranges		0 to 0.5, 0 to 5, 0 to 50 0 to 500, 0 to 5000, 0 to 50,000
Sensitivity	Alpha	Down to 2.5MeV; detection efficiency typically >80% at 3.6MeV
	Beta	
	Gamma	Down to 10KeV typically
	and X-rays	through the end
		window, 40KeV minimum
through the case		
Detector		Halogen-quenched, uncompensated G-M tube with mica end window 1.5 to 2mg/cm ² thick
Display		Analogue with dual scale and red LED count light
Audio indi	icator	User selectable count bleeper
Power		9V battery (IEC 6F22)
Overall L x W x D mm		210 x 70 x 48
Weight	g	246

Monitor 4 Radiation Survey Meter

As described. With battery. **RA250-10** Monitor 4 **BL610-25** 9V battery

Digital Radiation Monitor, Monitor 200

- Monitors Alpha, Beta, Gamma and X-rays
- Accumulated counts or counts per minute (CPM) or mR/hr
- Halogen-quenched, uncompensated Geiger-Müller tube detector
- Digital display and audio-visual count bleeper with mute
- Adjustable audio alert level on mR/hr and counts per minute readings
- USB output for datalogging or warning devices

CPM	0.001 to 200 (Cs-137) 0.01 to 1000 0 to 214,000 0 to 3575
total counts	1 to 9,999,000
Sensitivity Alpha	detection efficiency typically >80% at 3.6MeV
Beta	Typically 35% at 50KeV or 75% at 150KeV
Gamma	Down to 10KeV typically
and X-rays	through the end window, 40KeV minimum
through the case	
Gamma sensitivity	1000CPM or mR/hour
Display	Digital with red LED count light
Output	Mini USB
Power	2 x 1.5V AA batteries
Overall L x W x D mm	140 x 68 x 33
Weight g	220

Monitor 200 Monitor

As described. Supplied with soft carrying case, protective boot, USB output and Observer USB software and batteries.

RA275-45	Monitor 200
RA275-94	Rugged ABS/PC field case, water-
	resistant to IP65 , for RA275-45
BL610-15	1.5V battery (2 required)

Digital Radiation Monitor, Ranger

Handheld digital meter with excellent sensitivity to low levels of Alpha, Beta, Gamma and X-rays.

- Accumulated counts, counts per minute, counts per second, timed period counts, mR/hr or Sv/hr selectable, with adjustable alarm
- Halogen-quenched, uncompensated Geiger-Müller tube detector
- USB outputs for datalogging or TTL devices

Ranges	Sv/hr CPM CPS	0.001 to 100 0.01 to 1000 0 to 350,000 0 to 5000 1 to 9,999,000
Timer		1 to 10 x 1 minute 10 to 60 x 10 minutes 1 to 24 x 1 hour
Display		Digital with red LED count light
Output		Dual mini Jack drives and USB
Power		2 x 1.5V AA batteries
Overall L	.xWxDmm	150 x 80 x 30
Weight	g	250

Sensitivity to common isotopes

Isotope	Energy	Efficiency	
Alpha			
241AM	5.5MeV	18%	
Beta			
14C	49keV average 156keV max.	5.3%	
210Bi	39keV average 1.2MeV max.	32%	
90 Sr(Y)	546keV and 2.3MeV	38%	
32P	693keV average 1.7MeV max.	33%	
Gamma	-		
	3340CPM or mR/hr referenced to Cs-137		
Smallest detectable level for I-125 is 0.02 Ci at contact			

Ranger Monitor

As described. Supplied with soft carrying case, protective boot, USB output and Observer USB software. With battery.

 RA280-50
 Ranger

 BL610-15
 1.5V battery (2 required)

 BL610-25
 9V battery



RA250-10







RA280



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