

AC/DC Radiation Monitors

Portable—use it anywhere

- NEMA-4X polycarbonate case is corrosion resistant and splashproof
- Power up and analog gauge provides readable measurements instantly
- Operates on battery or AC power source
- Model 86551-20 reads alpha, beta, and gamma radiation—ideal for clothing, benchtop, or hand surface readings
- Model 86551-22 reads gamma and X-ray radiation—suitable for entryway or area monitoring

What's included: probe, probe holder, two 9 V transistor batteries, and 100 to 125 VAC adapter.



Specifications

Detector

Model 86551-20: 2" pancake GM tube
Model 86551-22: 3" scintillation

Functions: adjustable sensitivity, audible/visible alarms

Output: 0 to 1 volt DC full-scale

Window

Model 86551-20: 1¼" dia; .5mg/cm² thick
Model 86551-22: NaI (T1) crystal and 5-mil thick window

Description	Ranges	Catalog number	Price
Radiation monitor with pancake probe	0.02 to 200 mR/hr; 0.1 to 10,000 cps	GY-86551-20	
Radiation monitor with scintillation probe	0.03 to 30 mR/hr; 0.1 to 10,000 cps	GY-86551-22	

[GY-09376-04](#) Replacement batteries, 9 V. Pack of 4

Radiation Alert® Digital Radiation Monitors

Monitor readings over time with built-in timer

- Updated readings every three seconds
- Read even low levels of alpha, beta, gamma, and X-rays
- Output data via 0 to 5V output
- Won't get saturated even up to 100 times maximum reading
- Gross wipe-test plate for wipe counting

What's included: padded carrying case (both models). Inspector EXP also includes external GM tube probe with anodized aluminum housing, black foam grip, and amphenol 31226 twin-ax connectors. Operate on one 9 V alkaline battery (sold separately below).

Specifications

Detector: 2" dia pancake uncompensated GM tube with mica window

Accuracy: ±1.5% up to 20 mR/hr (130,000 cpm), ±20% above these values

Window thickness: 1¼" (4.4 cm) dia

Functions: adjustable timer, external calibration control



Ranges	Sensitivity		Inspector with internal probe			Inspector EXP with external probe		
	Source	Efficiency	Material	Catalog number	Price	Material	Catalog number	Price
0.001 to 100 mR/hr (0.1 to 1000 µSv/hr); 0 to 5000 cps (0 to 300,000 cpm); 1 to 9,999 (x1000) total counts	Sr-90	38%	Aluminum	GY-81910-10		Aluminum	GY-81910-20	

[GY-81910-60](#) Wipe-test plate; stainless steel plate positions wipe directly under sensor at fixed distance of 1 cm for gross wipe counting; slides out easily for general surveying or decontamination

[GY-09376-04](#) Batteries, 9 V. Pack of 4

Surface Radiation Monitor

Bottom face won't get contaminated

- Detects alpha, beta, and gamma radiation in mR/hr and cpm
- Rugged construction protects components
- Place on desk or benchtop

What's included: one 9 V battery and a certificate of conformance to factory specifications.



Specifications

Detector: 2" dia pancake GM tube

Window: 1¼" (4.5 cm) dia; 1.5 mg/cm² thick

Functions: adjustable alarm, low-battery indication

Output: none

Ranges	Sensitivity		Catalog number	Price
	Source	Efficiency		
0 to 0.15/1.5/15 mR/hr; 0 to 500/5000/50,000 cpm	Cesium-137	3000 cpm/µR/hr	GY-81920-00	

