

SPA-3 Scintillation Probe



FEATURES

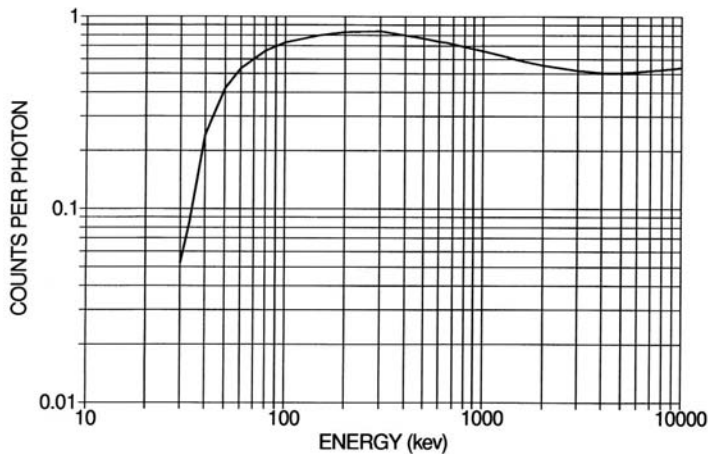
- High Gamma Sensitivity
- 2-inch X 2-inch NaI (TI) Crystal
- Rugged Construction



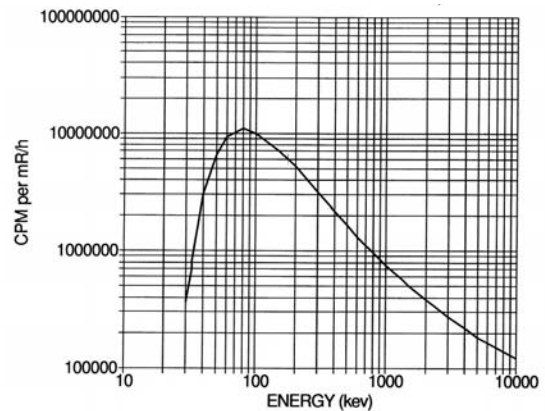
The Model SPA-3 scintillation probe is a rugged, waterproof gamma detector designed for high sensitivity of pulse-height applications. The SPA-3 contains a 2-inch-diameter, 2-inch-long NaI(Tl) crystal, a 2-inch, 10-stage photomultiplier tube, tube socket with a dynode resistor string, and a magnetic shield.

SPECIFICATIONS

Crystal:	NaI (TI), 2-inch-diameter x 2 inches long (5.1 cm x 5.1 cm).
Photomultiplier Tube:	2-inch-diameter, 10-dynode, end-window with S-11 photo cathode
Operating Voltage:	Variable dependent upon application.
Maximum Voltage:	+1600 V
Sensitivity:	1200k cpm per mR/h with 137Cs
Current Drain:	120 M resistance string yields 10 A at 1200 V.
Wall Material:	Aluminum
Wall Thickness:	1/8-inch (0.32 cm), 1/16-inch (0.16 cm) at crystal
Connector:	Mates with Eberline CP-1
Finish:	Enameled body with chrome-plated connector
Size:	2 5/8-inch-diameter x 11 1/8 inches long (6.7 cm x 28.3 cm)
Weight:	3.25 pounds (1.5 kg)



Calculated Energy Response
Counts per Photon



Calculated Energy Response
CPM/mR/h

