

GSP-1 1" x 1" NaI Scintillation Probe

Excellent gamma probe for μR detection, vehicle monitoring or any application requiring high sensitivity. Gamma and high energy beta detection. Excellent gamma response from 40 KeV to 2 MeV

FEATURES:

- ◆ EXCELLENT LOW LEVEL GAMMA DETECTION
- ◆ RUGGED METAL HOUSING
- ◆ 1 $\mu\text{R/hr}$ – 10 mR/hr DOSE RANGE



GSP-1 SPECIFICATIONS:

General Use	Low Level Gamma Dose Rate Measurements
Detector Type	1" x 1" NaI Scintillator
CPM Range	0-999.9 Kcpm
Dose Range	1 $\mu\text{R/hr}$ - 10 mR/hr (Cs^{137})
Energy Response	40keV – 2 MeV (Energy Dependent)
Sensitivity (Cs^{137} gamma)	$\approx 175 \text{ cpm}/\mu\text{R/hr}$
Efficiency (4π)	$\approx 3\%$
Background (10 $\mu\text{R/hr}$)	$\approx 1700 \text{ cpm}$
Operating Voltage	600 - 1100 vdc
Dead Time	$\approx 35 \mu\text{sec}$
Compatibility	All Johnson Rate Meters
Environmental	-20°F [-28°C] to 140°F [60°C] 5-95% RH
Connector	BNC (other types available)
Dimensions	1.5" (3.75cm) Dia x 6" (15cm) L
Weight	10 oz (0.28 kg)