

MRSP-1

Plastic Scintillation Probe

The Plastic Scintillator makes this a near tissue equivalent micro-R gamma probe with excellent energy response from 40 KeV - 2 MeV and comes mounted in a rugged shock resistant metal housing.

FEATURES:

- ◆ EXCELLENT LOW LEVEL GAMMA DETECTION
- ◆ NEAR TISSUE EQUIVALENT GAMMA DOSE RATE
- ◆ RUGGED METAL HOUSING
- ◆ 1 μ R/hr – 10 mR/hr DOSE RANGE



MRSP-1 SPECIFICATIONS:

General Use	Low Level Gamma Dose Rate Measurements
Detector Type	1.5" dia x 1" Plastic Scintillator
CPM Range	0-999.9 Kcpm
Dose Range	1 μ R/hr - 10 mR/hr (Cs^{137})
Energy Response	40keV – 2 MeV (near tissue equivalent)
Sensitivity (Cs^{137} gamma)	\approx 100 cpm/ μ R/hr
Efficiency (4π)	\approx 2%
Background (10 μ R/hr)	\approx 900 cpm
Operating Voltage	600 - 1100 vdc
Dead Time	\approx 35 μ 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	1.7" (4.25cm) Dia x 6" (15cm) L
Weight	4 oz (0.11 kg)