

MRSP-2

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 – 5 mR/hr DOSE RANGE



MRSP-2 SPECIFICATIONS:

General Use	Low Level Gamma Dose Rate Measurements
Detector Type	2" x 2" Plastic Scintillator
CPM Range	0-999.9 Kcpm
Dose Range	1 μ R/hr - 5 mR/hr (Cs ¹³⁷)
Energy Response	40keV – 2 MeV (near tissue equivalent)
Sensitivity (Cs ¹³⁷ gamma)	≈ 600 cpm/ μ R/hr
Efficiency (4 π)	≈ 5%
Background (10 μ R/hr)	≈ 5000 cpm
Operating Voltage	600 - 1100 vdc
Dead Time	≈ 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	2.5" (6.25cm) Dia x 10" (25cm) L
Weight	24 oz (0.68 kg)