

ASP-2 HIGH EFFICIENCY ALPHA PROBE

This is an excellent ALPHA detector with ZERO BACKGROUND in gamma fields up to 1 R/hr. A low density Mylar window of 0.7 mg/cm² enables the high efficiency detection of alpha down to 3 MeV. The Crystal and PMT are mounted in a shock resistant metal housing.

FEATURES:

- ◆ EXCELLENT ALPHA DETECTION
- ◆ ZERO BACKGROUND
- ◆ RUGGED METAL HOUSING



ASP-2 SPECIFICATIONS:

General Use	Alpha Contamination Surveying and Sample Counting
Detector Type	ZnS(Ag) Scintillator
CPM Range	0-999.9 Kcpm or Kcps
Window	0.7 mg/cm ² Mylar, protected by a Copper screen (80% open)
Window Area	Active – 15.5 cm ² (2.4 in ²) Open – 12.3 cm ² (1.9 in ²)
Efficiency (4π)	Pu239 – 20%, Th ²³⁰ – 20%
Energy Response	3 MeV – 7 MeV
Operating Voltage	700 - 1100 vdc
Normal Background	< .1 cpm
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	30 oz (0.85 kg)