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Your Alternative
To The Obvious

Model 43-1 Alpha Scintillator



INDICATED USE: Alpha survey

SCINTILLATOR: ZnS(Ag)

WINDOW: Typically 0.8 mg/cm² aluminized mylar (*1.2 mg/cm² recommended for outdoor use*)

WINDOW AREA:

Active - 83 cm²

Open - 75 cm²

EFFICIENCY (4pi geometry): Typically 35% - Pu-239

BACKGROUND: 3 cpm or less

NON-UNIFORMITY: Less than 10%

COMPATIBLE INSTRUMENTS: General purpose survey meters, ratemeters, and scalers

TUBE: 1.5" (3.8cm) diameter magnetically shielded photomultiplier

OPERATING VOLTAGE: Typically 500 - 1200 volts

DYNODE STRING RESISTANCE: 100 megohm

CONNECTOR: Series "C" (*others available*)

CONSTRUCTION: Aluminium housing with beige polyurethane enamel paint

TEMPERATURE RANGE: -4° F(-20° C) to 122° F(50° C)

May be certified for operation from -40° F(-40° C) to 150° F(65° C)

SIZE: 4.8" (12.2cm) diameter X 9.8" (24.9cm)L

WEIGHT: 2 lb (0.9 kg)