

# PYCKO SCIENTIFIC LIMITED

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Your Alternative  
To The Obvious

## MODEL 43-5 ALPHA SCINTILLATOR

*The Model 43-5 is a 50 cm<sup>2</sup> Alpha Scintillator that can be used with a several different instruments including survey meters, scalars, ratemeters, and alarm ratemeters*



**INDICATED USE:** Alpha survey

**SCINTILLATOR:** ZnS(Ag)

**WINDOW:** Typically 0.8 mg/cm<sup>2</sup> aluminized mylar (*1.2 mg/cm<sup>2</sup> recommended for outdoor use*)

**WINDOW AREA:**

Active - 76 cm<sup>2</sup>

Open - 50 cm<sup>2</sup>

**EFFICIENCY (4pi geometry):** Typically 13% - <sup>239</sup>Pu

**NON-UNIFORMITY:** Less than 10%

**COMPATIBLE INSTRUMENTS:** General purpose survey meters, ratemeters, and scalars

**TUBE:** 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:** -20° C to 50° C

May be certified for operation from -40° C to 65° C

**SIZE:** 10.2cmH X 6.4W X 35.6cmL

**WEIGHT:** 0.9kg