

PYCKO SCIENTIFIC LIMITED

31 London Road, Grantham, NG31 6EX
Telephone 01476 401992
e-mail: bill@pycko.co.uk
www.pycko.co.uk

Your Alternative
To The Obvious

MODEL 43-2 ALPHA SCINTILLATOR

The Model 43-2 is a cylindrical 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/cm² aluminized mylar (1.2 mg/cm² recommended for outdoor use)

WINDOW AREA: Active and Open - 12 cm²

EFFICIENCY (4pi geometry): Typically 30% - ²³⁹Pu; 30% - ²³⁰Th

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: 5.1cm diameter X 18.5cmL

WEIGHT: 0.5kg