



I.I.S.

Ludlum 43-92

The Model 43-92 is an alpha scintillator. With an active area of 100 cm², a slim, low-profile body, and a low background count rate, this detector is good for surveys for alpha contamination



INDICATED USE: Alpha contamination survey

SCINTILLATOR: ZnS(Ag)

WINDOW: 0.8 mg/cm² recommended for outdoor use

WINDOW AREA:

Active - 100 cm²

Open - 89 cm²

EFFICIENCY (4pi geometry): Typically 20% - 239Pu

NON-UNIFORMITY: Less than 10%

BACKGROUND: Alpha - 3 cpm or less

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

TUBE: 1.125" (2.9cm) diameter magnetically shielded photomultiplier

OPERATING VOLTAGE: Typically 500 - 1200 volts

DYNODE STRING RESISTANCE: 100 megohm

CONNECTOR: Series "C" (others available)

CONSTRUCTION: Aluminum housing with beige powdercoat finish

TEMPERATURE RANGE: 5°F(-15°C) to 122°F(50°C)

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

SIZE: 3.2" (8.1 cm)H X 3.5" (8.9 cm)W X 12.2" (31 cm)L

WEIGHT: 1 lb (0.5kg)