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Your Alternative
To The Obvious

MODEL 44-3 LOW ENERGY GAMMA SCINTILLATOR

***The Model 44-3
is a 1" X 1mm NaI(Tl)
Gamma Scintillator
for low energy gamma
that can be used with
several different instruments
including survey meters,
scalers, ratemeters,
and alarm ratemeters***



INDICATED USE: ^{125}I and x-ray survey

SCINTILLATOR: 1" (2.5 cm) diameter X 1mm thick sodium iodide (NaI)Tl scintillator

ENTRY WINDOW: 18.4 mg/cm²

WINDOW AREA: 5 cm² active and open

RECOMMENDED ENERGY RANGE: Approximately 10 - 60 keV

BACKGROUND: Typically 40 cpm/microR/hr

SENSITIVITY: Typically 675 cpm/microR/hr (^{125}I)

EFFICIENCY(4pi geometry): Typically 19% - ^{129}I

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

SIZE: 2" (5.1 cm) diameter X 7" (17.8 cm)L

WEIGHT: 1 lb (0.5kg)