The Model 44-2 is a 1" X 1" NaI(Tl) Gamma Scintillator that can be used with several different instruments including survey meters, scalers, ratemeters, and alarm ratemeters.

PART NUMBER: 47-1532

INDICATED USE: High energy gamma detection

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

SENSITIVITY: Typically 175 cpm/microR/hr ($^{137}$Cs)

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: Aluminum 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: 2" (5.1 cm) diameter X 7.3" (18.5 cm)L

WEIGHT: 1 lb (0.5kg)

Replacement Parts

Photomultiplier Tube
Scintillator


Return to ludlums.com

Copyright © 2000 Ludlum Measurements, Inc.
For comments or suggestions please contact webmaster at: ludlum@ludlums.com
Page last updated: December 2000