

**LUDLUM MODEL 44-2
1"x 1" NaI GAMMA
SCINTILLATOR**



INDICATED USE: High energy gamma detection

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

SENSITIVITY: Typically 175 cpm/microR/hr (Cs-137)

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: 5 degrees F(-15 degrees C) to 122 degrees F(50 degrees C)

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

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

WEIGHT: 1 lb (0.5kg)
