

MODEL 44-9 Pancake G-M Detector



Ludlum Measurements, Inc.



Part Number: 47-1539

INDICATED USE: Alpha beta gamma survey; Frisking

DETECTOR: Pancake type halogen quenched G-M

WINDOW: 1.7 ± 0.3 mg/cm² mica

WINDOW AREA:

Active - 15 cm²

Open - 12 cm²

EFFICIENCY(2pi geometry): Typically 5%-¹⁴C; 22%-⁹⁰Sr/⁹⁰Y; 19%-⁹⁹Tc; 32%-³²P; 15%-²³⁹Pu

SENSITIVITY: Typically 3300 cpm/mR/hr (¹³⁷Cs gamma)

ENERGY RESPONSE: Energy dependent

DEAD TIME: Typically 80μs

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

OPERATING VOLTAGE: 900 volts

CONNECTOR: Series "C" (others available)

CONSTRUCTION: Aluminum housing with beige polyurethane enamel paint
and stainless steel protective screen (79% open)

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: 1.8" (4.6 cm)H X 2.7" (6.9 cm)W X 10.7" (27.2 cm)L

WEIGHT: 1 lb (0.5kg)