

**LUDLUM MODEL 44-9
PANCAKE GEIGER-
MULLER DETECTOR**



INDICATED USE: Alpha beta gamma survey; Frisking

DETECTOR: Pancake type halogen quenched G-M

WINDOW: 1.7 plus or minus 0.3 mg/cm squared mica

WINDOW AREA:

Active - 15 cm squared

Open - 12 cm squared

EFFICIENCY(4pi geometry): Typically 5%-C-14; 22%-Sr-90/Y-90;
19%-Tc-99; 32%-P-32; 15%-Pu-239

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

ENERGY RESPONSE: Energy dependant

DEAD TIME: Typically 80 microseconds

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

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: 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)
