

**LUDLUM MODEL 44-7 END  
WINDOW GEIGER-MULLER  
DETECTOR**



**INDICATED USE:** Alpha beta  
gamma survey; Sample counting

**DETECTOR:** End window  
halogen quenched G-M

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

**WINDOW AREA:**

Active - 6 cm squared

Open - 5 cm squared

**EFFICIENCY(4pi geometry):** Typically 2%-C-14; 10%-Sr-90/Y-90;  
7%-Pu-239

**SENSITIVITY:** Typically 2100 cpm/mR/hr (*137Cs gamma*)

**ENERGY RESPONSE:** Energy dependant

**DEAD TIME:** Typically 200 microseconds

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

**OPERATING VOLTAGE:** 900 volts

**CONNECTOR:** Series "C" (*others available* )

**CONSTRUCTION:** Anodized aluminum housing

**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) Diameter X 5.8" (14.7 cm)L

**WEIGHT:** 1 lb (0.5kg)

---