

# Model 44-150-3

## High-Sensitivity GM Detector



Ludlum Measurements, Inc.



### Specifications

Part Number: 47-4039

**INDICATED USE:** High-sensitivity gamma survey

**SUGGESTED INSTRUMENTS:** General purpose survey meters, Area monitors

**DETECTOR TYPE:** Energy-compensated, halogen quenched GM, 30 mg/cm<sup>2</sup> stainless steel

**LINEAR RANGE WITHOUT DTC\*:** 0.1 to 80  $\mu$ Sv/h (0.01 to 8 mR/hr)

**LINEAR RANGE WITH DTC\*:** 0.1 to 800  $\mu$ Sv/h (0.01 to 80 mR/hr)

**SENSITIVITY (<sup>137</sup>Cs gamma):**  $\approx$  1350 cpm per  $\mu$ Sv/h (13,500 cpm per mR/hr)

**ENERGY RESPONSE:** Within 30% from 60 keV to 1.3 MeV

**BACKGROUND:**  $\approx$  300 cpm

**DEAD TIME:** 50  $\mu$ s (typical)

**OPERATING VOLTAGE:** 900 Vdc (typical)

**TEMPERATURE RANGE:** -15 to 50  $^{\circ}$ C (5 to 122  $^{\circ}$ F)

**CONNECTOR:** Series "C"

**CONSTRUCTION:** Aluminum housing with beige powder coat finish

**SIZE (D x L):** 4.8 x 36.2 cm (1.9 x 14.3 in.)

**WEIGHT:** 0.9 kg (2 lb)

\*Dead Time Correction, available on some instruments

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Note: specifications subject to change without notification. We are not responsible for errors or omissions.

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