

# Model 44-62 Gamma Detector

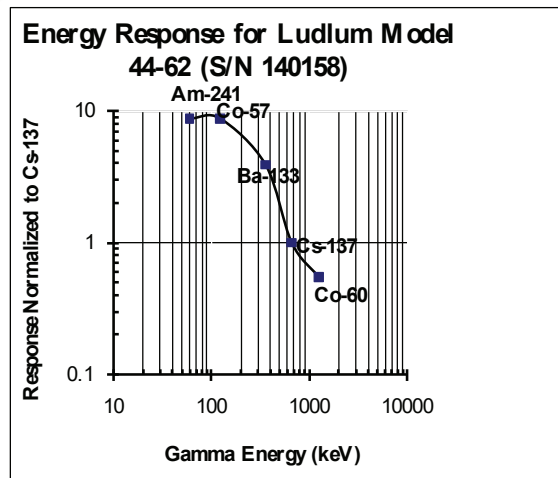


Ludlum Measurements, Inc.



Part Number: 47-1238

## Response Curve



## Specifications

**INDICATED USE:** low-level, wide-energy gamma survey

**SUGGESTED INSTRUMENTS:** general purpose survey meters, ratemeters, and scalars

**DETECTOR TYPE:** scintillator, 1.3 x 2.5 cm (0.5 x 1 in.) (Dia x thickness)

**SENSITIVITY:** typically 49 cpm/ $\mu$ R/hr ( $^{137}\text{Cs}$  gamma)

**BACKGROUND:** 600 cpm

**RECOMMENDED ENERGY RANGE:** 50 KeV–1.5 MeV

**ENERGY RESPONSE:** energy dependent

**PHOTOMULTIPLIER TUBE:** 1.3 cm (0.5 in.) diameter, 10-stage, magnetically shielded

**OPERATING VOLTAGE:** typically 500–1200 volts

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

**TEMPERATURE RANGE:** -20 to 50 °C (-4 to 122 °F); may be certified to operate from -40 to 65 °C (-40 to 150 °F)

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

**SIZE:** 2.3 x 19.8 cm (0.9 x 7.8 in.) (Dia x L)

**WEIGHT:** 0.1 kg (0.3 lb)

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

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