

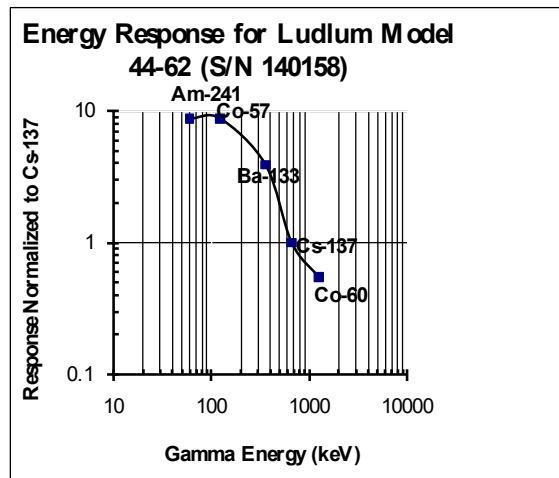
Model 44-62 Gamma Detector



Ludlum Measurements, Inc.



Response Curve



Specifications

Part Number: 47-1238

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

SUGGESTED INSTRUMENTS: general purpose survey meters, ratemeters, and scalers

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

SENSITIVITY: typically 49 cpm/ μ R/hr (137 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.

March 2015