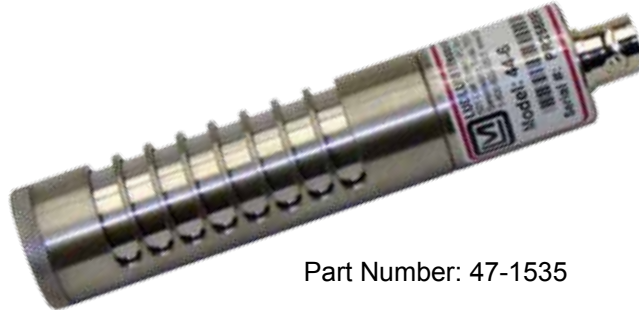


# Model 44-6 Beta Gamma Detector

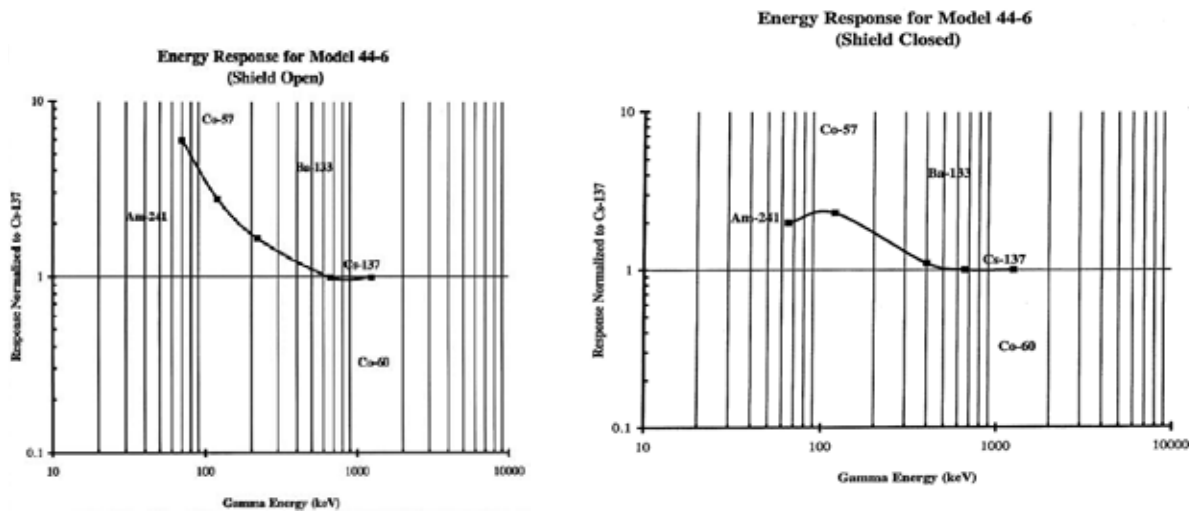
*Radiation Detection for a Safer World*



Ludlum Measurements, Inc.



Part Number: 47-1535



Gamma Energy Response ( $\text{Cs}^{137}$ ) with Beta Shield Open (left) and Beta Shield Closed

## Specifications

INDICATED USE: beta, gamma survey  
SUGGESTED INSTRUMENTS: general purpose survey meters, ratemeters, and scalers  
CONNECTOR: series "C" (others available)  
DETECTOR: 30–45 mg/cm<sup>2</sup> stainless steel wall halogen quenched GM  
GAMMA SENSITIVITY: typically 1200 cpm/mR/hr (<sup>137</sup>Cs gamma)  
BETA CUT OFF: approximately 200 keV (window open)  
DEAD TIME: typically 95 microseconds  
BACKGROUND: 20 cpm closed; 25 cpm open  
NON-UNIFORMITY: < 10%  
OPERATING VOLTAGE: 900 volts  
CONSTRUCTION: stainless steel with rotary beta window  
TEMPERATURE RANGE: -20 to 50 °C (-4 to 122 °F);  
may be certified to operate at -40 to 65 °C (-40 to 150 °F)  
SIZE: 3.2 x 15.2 cm (1.3 x 6 in.) (Dia x L)  
WEIGHT: 0.3 kg (0.6 lb)