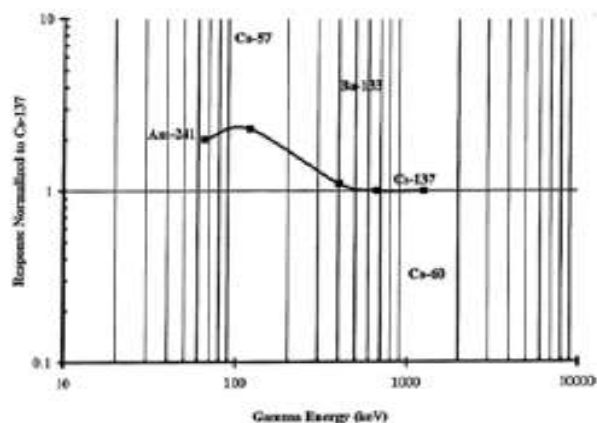


Model 44-6 Beta Gamma Detector



Energy Response for Model 44-6
(Shield Closed)



Gamma Energy Response Model 44-6
(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/cm² stainless steel wall halogen quenched GM

GAMMA SENSITIVITY: typically 1200 cpm/mR/hr (¹³⁷Cs 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: anodized aluminum housing 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)