

## Model 44-10-5 Waterproof Gamma Detector



### Specifications

Part Number: 47-2427

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

**ENERGY RESPONSE:** energy dependent

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

**OPERATING VOLTAGE:** 500–1200 volts

**SCINTILLATOR:** 5.1 x 5.1 cm (2 x 2 in.) (Dia x L) NaI

**SENSITIVITY:** typically 900 cpm/ $\mu$ R/hr ( $^{137}$ Cs gamma)

**BACKGROUND:** 9750 cpm (in 10  $\mu$ R/hr field)

**RECOMMENDED ENERGY RANGE:** 50 keV – 3.0 MeV

**PHOTOMULTIPLIER TUBE:** 5.1 cm (2 in.) diameter, magnetically shielded

**CONNECTOR:** hard wired in detector, Series "C" at end of cable

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

**WATERPROOF:** submersible up to 30 m (100 ft); IP68 or better

**CONSTRUCTION:** stainless steel 0.32 cm (0.13 in.) thick with beige powder coating

**SIZE:** 7 x 29.1 cm (2.8 x 11.5 in.) (Dia x L)

**WEIGHT:** 3.5 kg (7.6 lb)