

PYCKO SCIENTIFIC LIMITED

31 London Road, Grantham, NG31 6EX

Telephone 01476 401992

bill@pycko.co.uk

www.pycko.co.uk

Your Alternative
To The Obvious

Model 44-150- Gamma GM Detector



Introduction

The Model 44-150-1 is a low-level Geiger-Mueller (GM) gamma survey detector that can be used with any portable ratemeter, scaler instrument, or area monitor that provides 550 Vdc with an input sensitivity of 30 ± 10 mV.

Specifications

PN: 47-3335

RECOMMENDED OPERATING VOLTAGE: 550 V

ENERGY RESPONSE (60 keV-3 MeV): within 25%

SENSITIVITY (137Cs Gamma): 4000 cpm per mR/hr

BACKGROUND: 48 cpm

INPUT SENSITIVITY: 30 mV ± 10 mV

DEAD TIME: typically 50 microseconds

LINEARITY WITH DEAD TIME CORRECTION: 0.1 mR/hr to 250 mR/hr

LINEARITY WITHOUT DEAD TIME CORRECTION: 0.1 mR/hr to 50 mR/hr

TUBE: 30 mg/cm² stainless steel (Halogen quench) GM

TEMPERATURE RANGE: -20 to 50 °C (-4 to 122 °F)

SIZE: 4.8 x 11.7 cm (1.9 x 4.6 in.) (Dia x L)

WEIGHT: 0.17 kg (0.37 lb)

CONNECTOR: series "C," unless a waterproof detector. Other connectors are available upon request.