Ludlum 133-6





The Model 133 series of Geiger-Mueller (GM) gamma survey detectors can be used with any portable ratemeter, scaler instrument, or area monitor that provides the appropriate amount of voltage (see table below) with an input sensitivity of 30 ± 10 mV. Model numbers of this detector with the "-1" on the end are waterproof versions. Waterproof versions have the same characteristics as nonwaterproof models, other than they are waterproof, contain an O-ring, and do not have a "C" connector on the probe end (base). A 25' cable is hard-wired into the detector. They weigh slightly more and have a slightly larger diameter than the non-waterproof versions.

Features

- Energy Compensated GM
- Halogen Quenched
- Waterproof Versions Available
- Stainless Steel Tube

Operating Voltage	550 Vdc
Sensitivity	1.8 cpm/ μSv/h
(¹³⁷ Cs Gamma)	(18 cpm/mR/hr)
Linear Range	40 μSv/h to 60 mSv/h
without DTC	(4 mR/hr to 6 R/hr)
Linear Range	40 μSv/h to 400 mSv/h
with DTC	(4 mR/hr to 40 R/hr)
Linear Range with Series	40 μSv/h to 10 Sv/h
Correction Constant (SCC)	(4 mR/hr to 1000 R/hr)
Energy Response (60 keV to 3 MeV)	within 15%
Background (in 10 μR/hr)	1 cpm

INPUT SENSITIVITY: 30 mV ± 10 mV

DEAD TIME: typically 50 microseconds

TUBE: 30 mg/cm² stainless steel (halogen quench)

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

TEMPERATURE RANGE: -4 to 122 °F, may be certified for operation from -40 to 150 °F

SIZE: 0.88 in. OD x 4 in. L

WEIGHT: approximately 0.090 kg (0.20 lb)

Innovative Industrial Solutions, Inc.

2830 Skyline Drive Russellville, AR 72802

Phone (479) 968-4266

Fax (479) 890-9072

www.i-i-s.net