LUDLUM

RDS Sensitive Gamma Probe

Sensitive NaI(Tl) gamma probe

Probe for the RDS Base Unit with a NaI(Tl) scintillator that measures low gamma levels over a broad energy range. It is made for searching for and locating gamma sources.



Detector type	Energy range	IP rating
NaI(Tl) scintillator, 1.125 × 1.5 in [1]	**Gamma 50 keV – 1.5 MeV** [1]	**IP67** [1]

Specifications

DETECTOR

Detector type	NaI(Tl) scintillator, 1.125 × 1.5 in	[1]

MEASURING RANGE

Exposure rate range	50–5000 µR/h (gamma)	[1]
Energy range	Gamma 50 keV – 1.5 MeV	[1]

POWER & BATTERY

Power supply	Supplied by the RDS Base Unit	[1]

MECHANICAL

Dimensions	32 × 5 × 4 cm (12.49 × 1.95 × 1.65 in)	[1]
Housing material	Anodised aluminium	[1]

ENVIRONMENT & RATINGS

Operating temperature	−30 to 50 °C	[1]
Storage temperature	−50 to 60 °C	[1]
Humidity	3–100% relative humidity	[1]
IP rating	IP67	[1]

GENERAL

Standards met	ANSI N42.17 and N42.34; MIL-STD 461F, 1686C and 810G	[1]
NATO Stock Number (NSN)	6665-01-671-4250	[1]

Sources

[1] RDS Sensitive Gamma Probe data sheet (V038313)
Ludlum Measurements · datasheet · p. 2, Radiological; p. 2, Radiological – Detection Range; p. 2, Mechanical · checked 2026-11-16
https://www.ludlum-slc.com/sensitivegammaprobe_v038313/

Every value is taken from the manufacturer's own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer's published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.