LUDLUM

Model 3-IS

Intrinsically safe survey meter

An analog survey meter for radiation measurements in potentially explosive atmospheres when used with compatible Ludlum detectors.



Count rate, typical
0–500 kcpm (detector dependent) [1]

Weight including batteries
.6 kg [1]

Specifications

DETECTOR

Compatible detectors	44-7, 44-9, 44-6, 44-38, 44-2, 42-41L	[1]
Radiation (probe dependent)	Alpha, beta, gamma or neutrons	[2]

MEASURING RANGE

Exposure-rate range, typical	0–200 mR/hr (detector dependent)	[1]
Count rate, typical	0–500 kcpm (detector dependent)	[1]
Response time (10–90%)	FAST 4 s; SLOW 22 s	[1]

ELECTRONICS & SIGNAL

Detector bias	400–1000 V DC (adjustable)	[1]

CONNECTIVITY & INTERFACE

Display	Analog; ×0.1, ×1, ×10, ×100	[1]

POWER & BATTERY

Approved batteries	2 Procell PC1300, D, 1.5 V	[1]
Battery life, typical	ver 2000 h (alkaline batteries)	[1]

MECHANICAL

Dimensions (H × W × L)	16.5 × 8.9 × 21.6 cm including handle	[2]

ENVIRONMENT & RATINGS

perating temperature	–20 to +50 °C	[1]
Intrinsic safety classification	Class I, Division 1, Groups A–D, T6	[1]

ORDERING & ACCESSORIES

Weight including batteries	1.6 kg	[1]

Sources

[1] **Model 3-IS Series Intrinsically Safe Survey Meters**
Ludlum Measurements · datasheet · p. 1, Model 3-IS column (Detector); p. 1, Common Specifications; p. 1, Model 3-IS column (Detector Range) · checked 2026-10-16
https://ludlums.com/images/data_sheets/M3-IS_Series.pdf

[2] **Model 3-IS Intrinsically Safe Survey Meter**
Ludlum Measurements · product-page · Specifications tab (Application); Product page – Specifications · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-3-is

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.