LUDLUM

Ludlum 9-4

Handheld survey meter

Ludlum 9-4 – handheld survey meter from Ludlum Measurements.



Chamber volume	Linearity	Power supply
220 cm³ [1]	**±10 %** [1]	**2 “D” batteries** [1]

Specifications

DETECTOR

Chamber volume	220 cm³	[1]
Window area	40 cm²	[1]
Detector	Air ionization chamber (carbon-coated acrylic chamber)	[1]

PERFORMANCE

Linearity	±10 %	[1]

MEASURING RANGE

Response time	Approximately 5 s for 90% of final meter deflection on the x1 and x10 scales, and 3 s on the x100, x1k and x10k scales	[1]
Measurement range	0 to 500 mSv/h (0 to 50,000 mR/hr)	[1]
Energy response	Within 20% of true value from 40 keV to 2 MeV	[1]
Range multipliers	×1, ×10, ×100, ×1k, ×10k	[1]

POWER & BATTERY

Power supply	2 “D” batteries	[1]
Battery life and conditions	400 hours	[1]

MECHANICAL

Dimensions (H × W × L)	23.4 x 8.9 x 21.6 cm including instrument handle	[1]

ENVIRONMENT & RATINGS

Operating temperature	-20 to 50 °C; temperature compensation maintains calibration within 15 % of the 25 °C reading	[1]

GENERAL

Meter dial	0–5 mR/hr, BAT TEST	[1]

Sources

[1] **Model 9-4 – Ion Chamber Survey Meter**
Ludlum Measurements · product-page · Specifications tab, 'Chamber Volume'; Specifications tab, 'Linearity'; Specifications tab, 'Power' · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-9-4

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.