LUDLUM

Ludlum 9DP-1*

Handheld survey meter

Ludlum 9DP-1* – handheld survey meter from Ludlum Measurements. Weight as specified: 1.5 kg, including batteries. Detector type: Pressurized ionization chamber.



Weight as specified
1.5 kg, including batteries [1]

Detector type
Pressurized ionization chamber [1]

Specifications

DETECTOR

Chamber volume and pressure	220 cc volume pressurized to 2.5 atm (22 psig)	[1]
Detector type	Pressurized ionization chamber	[1]

PERFORMANCE

Accuracy	± 10%	[1]

MEASURING RANGE

Response time	Ranges from 7 seconds in lowest range to under 2 seconds in highest range when measuring from 10% to 90% of final value	[1]
Energy response	Ambient dose equivalent or dose rate, flat within 30% from 60 keV to 1.3 MeV	[1]
Measurement range	Auto-ranging – Sv/h: 2–50 µSv/h, 2–500 µSv/h, 0–5 mSv/h, 0–50 mSv/h, 0–500 mSv/h; R/h: 0.2–5 mR/h, 0.2–50 mR/h, 0–500 mR/h, 0–5 R/h, 0–50 R/h	[1]

POWER & BATTERY

Power supply	Eight rechargeable "AA" NiMH batteries, supplied with wall charger for direct connection to instrument	[1]
Battery life and conditions	Approximately 12 to 30 hours between charges depending on backlighting and USB usage	[1]

MECHANICAL

Dimensions (H × W × L)	21.9 x 11.6 x 24.5 cm	[1]
Weight as specified	1.5 kg, including batteries	[1]

ENVIRONMENT & RATINGS

Operating temperature	-20 to 40 °C	[1]

Sources

[1] **Model 9DP-1* – Ambient Dose Ion Chamber**
Ludlum Measurements · product-page · Specifications tab, 'Chamber Volume'; Specifications tab, 'Accuracy'; Specifications tab, 'Power' · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-9dp-1star

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.