LUDLUM

Ludlum 78-1

Handheld survey meter

Ludlum 78-1 – handheld survey meter from Ludlum Measurements. Weight as specified: 2.9 kg, including batteries.



Weight as specified

2.9 kg, including batteries [1]

Specifications

DETECTOR		
Detector	2 energy-compensated GM tubes	[1]
PERFORMANCE		
Linearity	±10 %	[1]
MEASURING RANGE		
Energy response	Within 25% of true value from 60 keV to 3 MeV	[1]
Measurement range	1 µSv/h to 9999 mSv/h	[1]
POWER & BATTERY		
Power supply	2 "D" batteries	[1]
Battery life and conditions	Typically 250 hours with alkaline batteries	[1]
MECHANICAL		
Dimensions (H × W × L)	12.2 x 10.9 x 105.9 cm retracted, 377.2 cm fully extended	[1]
Weight as specified	2.9 kg, including batteries	[1]
ENVIRONMENT & RATINGS		
Operating temperature	-20 to 50 °C	[1]
GENERAL		
Meter dial	0–1k, 4-decade logarithmic	[1]

Sources

[1] **Model 78-1 – Stretch Scope Survey Meter**
Ludlum Measurements · product-page · Specifications tab, 'Linearity'; Specifications tab, 'Power'; Specifications tab, 'Battery Life' · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-78-1

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.