LUDLUM

Ludlum 18

Handheld survey meter

Ludlum 18 – handheld survey meter from Ludlum Measurements. Weight as specified: 1.6 kg including batteries.



Weight as specified

.6 kg including batteries [1]

Specifications

DETECTOR		
Compatible external detectors	GM, proportional, scintillation	[1]
PERFORMANCE		
Linearity	±10 % of true value with detector connected	[2]
MEASURING RANGE		
Measurement range	Dependent on detector	[1]
Range multipliers	×1, ×10, ×100, ×1000	[1]
ELECTRONICS & SIGNAL		
Detector bias	Three independent settings, adjustable from 400 to 2500 Vdc	[2]
CONNECTIVITY & INTERFACE		
Detector connector	Type "C" series (others available)	[1]
POWER & BATTERY		
Power supply	Two "D" cell batteries	[1]
Battery life and conditions	600 hours	[1]
MECHANICAL		
Dimensions (H × W × L)	16.5 × 8.9 × 21.6 cm, including handle	[1]
Weight as specified	1.6 kg including batteries	[1]
ENVIRONMENT & RATINGS		
perating temperature	-20 to 50 °C	[1]
GENERAL		
Meter dial	0–500 cpm, 0–2.5 kV, BAT TEST (other meter faces available)	[1]

Sources

[1] **Model 18 General Purpose Survey Meter**
Ludlum Measurements · product-page · Specifications tab, 'Compatible Detectors'; Specifications tab, 'Power'; Specifications tab, 'Battery Life' · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-18

[2] **Model 18 General Purpose Ratemeter (data sheet)**
Ludlum Measurements · datasheet · Specifications, 'High Voltage'; Specifications, 'Linearity' · checked 2026-10-16
https://ludlums.com/images/data_sheets/M18.pdf

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.