LUDLUM

Ludlum 193-6

Handheld survey meter

Ludlum 193-6 – handheld survey meter from Ludlum Measurements. Weight as specified: 3.9 kg including batteries.



Weight as specified

3.9 kg including batteries [1]

Specifications

DETECTOR		
Detector	EJ-212 plastic scintillator, 2.5 cm (1 in.) thick, at the end of a 1.2 m pole	[1]
PERFORMANCE		
Linearity	Reading ±10 % of true value	[1]
MEASURING RANGE		
Detector measurement range	Background to 10 µSv/h (1000 µR/hr)	[1]
Sensitivity (^{137}Cs gamma)	Typically 150 kcpm per µSv/h (1500 cpm per µR/hr)	[1]
Energy response	Energy dependent	[1]
POWER & BATTERY		
Power supply	2 "D" cell batteries (alkaline, or NiCd rechargeable; not chargeable in the instrument)	[2]
Battery life and conditions	Typically 600 hours with alkaline batteries	[1]
MECHANICAL		
Weight as specified	3.9 kg including batteries	[1]
Overall length	1.3 m	[1]
Dimensions	Meter: 16.5 × 8.9 × 21.6 cm including instrument handle; Model 44-132 detector: 16.9 × 21.6 cm (Dia × L)	[3]
ENVIRONMENT & RATINGS		
Operating temperature	−20 to +50 °C (−4 to 122 °F)	[3]

Sources

[1] **Model 193-6 Extended Reach microR Survey Meter**
Ludlum Measurements · product-page · Specifications tab, 'Detector Range'; Specifications tab, 'Sensitivity (137Cs gamma)'; Specifications tab, 'Linearity' · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-193-6

[2] **Model 193-6 Extended Reach Gamma Survey Meter (data sheet)**
Ludlum Measurements · datasheet · Specifications, 'Power' · checked 2026-10-16
https://ludlums.com/images/data_sheets/M193-6.pdf

[3] **Ludlum Model 193-6 manual**
Ludlum Measurements · manual · Manual p. 19 (p. 5-1), section 5, Environmental Conditions for Normal Use; Manual p. 16 (p. 3-2), section 3 Specifications (instrument and detector) · checked 2026-10-16
https://ludlums.com/images/product_manuals/M193-6.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.