LUDLUM

Ludlum 19A

Handheld survey meter

Ludlum 19A – handheld survey meter from Ludlum Measurements. Weight as specified: 2.1 kg including batteries.



Detector (D × L)
NaI(Tl) scintillator, 2.5 × 2.5 cm (1 × 1 in.), internally housed [1]

Weight as specified
.1 kg including batteries [1]

Specifications

DETECTOR

Detector (D × L)	NaI(Tl) scintillator, 2.5 × 2.5 cm (1 × 1 in.), internally housed	[1]

PERFORMANCE

Linearity	Reading ±10 % of true value	[1]

MEASURING RANGE

Sensitivity (^{137}Cs gamma)	Approximately 17,500 cpm per µSv/h (175 cpm per µR/hr)	[1]
Measurement range	Background to 500 µR/hr	[1]
Energy response	Energy dependent (energy response curve available from the manufacturer)	[1]

POWER & BATTERY

Power supply	2 "D" cell batteries	[1]
Battery life and conditions	Typically 600 hours with alkaline batteries	[1]

MECHANICAL

Dimensions (H × W × L)	19.8 x 8.9 x 21.6 cm with handle	[1]
Weight as specified	2.1 kg including batteries	[1]

ENVIRONMENT & RATINGS

perating temperature	-20 to 50 °C	[1]

GENERAL

Meter dial	0–5 µSv/h (0–500 µR/hr), dual-coloured logarithmic scale, BAT TEST (other meter faces available)	[1]

Sources

[1] Model 19A microR Survey Meter with Alarm
Ludlum Measurements · product-page · Specifications tab, 'Detector (D x L)'; Specifications tab, 'Sensitivity (137Cs gamma)'; Specifications tab, 'Linearity' · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-19a

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.