LUDLUM

Ludlum 12SA

Handheld survey meter

Ludlum 12SA – handheld survey meter from Ludlum Measurements. Weight as specified: 2.1 kg including batteries.



Detector

NaI(Tl) scintillator, 2.5 × 2.5 cm (1 × 1 in.), internally mounted [1]

Weight as specified

2.1 kg including batteries [1]

Specifications

DETECTOR

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

PERFORMANCE

Linearity	±10 % of true reading	[1]

MEASURING RANGE

Energy response	Energy dependent	[1]

ELECTRONICS & SIGNAL

Detector bias	Adjustable from 200 to 1500 Vdc	[1]

POWER & BATTERY

Power supply	Two "D" cell batteries	[1]
Battery life and conditions	Exceeds 600 hours, may be checked on meter face	[1]

MECHANICAL

Dimensions (H × W × L)	22.2 x 21.6 x 8.6 cm with handle	[1]
Weight as specified	2.1 kg including batteries	[1]

ENVIRONMENT & RATINGS

Operating temperature	−20 to +50 °C (−4 to 122 °F); may be certified for operation from −40 to +65 °C (−40 to 150 °F)	[2]

GENERAL

Meter dial	0–3 µR/hr, BAT TEST (other meter faces available)	[1]

Sources

[1] Model 12SA microR Survey Meter with Alarm
Ludlum Measurements · product-page · Specifications tab, 'Detector'; Specifications tab, 'High Voltage'; Specifications tab, 'Linearity' · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-12sa

[2] Ludlum Model 12SA manual
Ludlum Measurements · manual · Manual p. 18 (p. 5-1), section 5, Environmental Conditions for Normal Use · checked 2026-10-16
https://ludlums.com/images/product_manuals/M12SA.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.