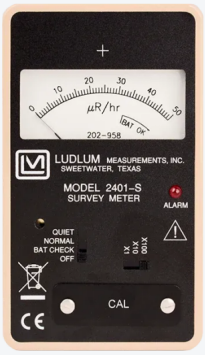
LUDLUM

Ludlum 2401-S

Handheld survey meter

Ludlum 2401-S – handheld survey meter from Ludlum Measurements. Measurement range as specified: 0 to 50 µSv/h (0 to 5000 µR/hr). Weight as specified: 0.4 kg including battery.



Detector	Measurement range as specified	Weight as specified
18 mm diameter CsI scintillation crystal (internal) [-1]	**0 to 50 µSv/h (0 to 5000 µR/hr)** [1]	**0.4 kg including battery** [1]

Specifications

DETECTOR

Detector	18 mm diameter CsI scintillation crystal (internal)	[1]

MEASURING RANGE

Measurement range as specified	0 to 50 µSv/h (0 to 5000 µR/hr)	[1]
Sensitivity (^{137}Cs)	100 cpm per µR/hr	[2]
Response time	Typically 5 s from 10 % to 90 % of final reading	[1]
Energy response	Energy dependent	[1]

POWER & BATTERY

Power supply	One 9 V battery	[2]
Battery life and conditions	Typically 250 hours with alkaline battery	[1]

MECHANICAL

Dimensions (H × W × L)	4.6 x 8.4 x 13.5 cm	[1]
Weight as specified	0.4 kg including battery	[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)	[3]

Sources

[1] **Model 2401-S microR Pocket-Size Survey Meter**
Ludlum Measurements · product-page · Specifications tab, 'Detector'; description; Specifications tab, 'Range'; Specifications tab, 'Battery Life' · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-2401-s

[2] Model 2401-S microR Pocket-Size Survey Meter (data sheet)
Ludlum Measurements · datasheet · Specifications, 'Sensitivity'; Specifications, 'Power' · checked 2026-10-16
https://ludlums.com/images/data_sheets/M2401-S.pdf

[3] Ludlum Model 2401-S manual
Ludlum Measurements · manual · Manual p. 13 (p. 5-1), section 5, Environmental Conditions for Normal Use · checked 2026-10-16
https://ludlums.com/images/product_manuals/M2401-S.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.