LUDLUM

Ludlum 3019

Handheld survey meter

Ludlum 3019 – handheld survey meter from Ludlum Measurements. Detector (D × L): Internal CsI scintillator, 2.5 × 1.9 cm. Enclosure rating and conditions: IP53.



Detector (D × L)	Enclosure rating and conditions	Weight as specified
Internal CsI scintillator, 2.5 × 1.9 cm [1]	**IP53** [2]	**.06 kg** [1]

Specifications

DETECTOR

Detector (D × L)	Internal CsI scintillator, 2.5 × 1.9 cm	[1]

PERFORMANCE

Linearity	±10 %	[1]

MEASURING RANGE

Detector measurement range	Background to 500 µSv/h (50 mR/hr)	[1]
Sensitivity and reference	175 cpm per µR/hr	[1]
Response time	User-selectable from 1 to 60 seconds, or Auto-Response Rate FAST or SLOW	[1]
Energy response	Non-linear (energy response curve available from the manufacturer)	[1]

ELECTRONICS & SIGNAL

Detector bias	400 to 1500 Vdc	[1]

POWER & BATTERY

Power supply	Four alkaline “AA” batteries	[2]
Battery life and conditions	Approximately 750 hours of operation (as low as 100 hours with backlight configured for continuous-on)	[1]

MECHANICAL

Dimensions (H × W × L)	16.5 x 11.4 x 21.6 cm	[1]
Weight as specified	1.06 kg	[1]

ENVIRONMENT & RATINGS

perating temperature	-20 to 50 °C	[1]
Enclosure rating and conditions	IP53	[2]

Sources

[1] **Model 3019 – Digital microR Survey Meter**
Ludlum Measurements · product-page · Specifications tab, 'Detector (D x L)'; Specifications tab, 'Detector Range'; Specifications tab, 'Sensitivity' · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-3019

[2] **Model 3019 Digital Background Survey Meter**
Ludlum Measurements · datasheet · p. 2, Specifications, 'POWER'; p. 2, Specifications, 'ENVIRONMENTAL RATING' · checked 2026-10-16
https://ludlums.com/images/data_sheets/M3019.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.