LUDLUM

# Ludlum 3005

## Handheld survey meter

Ludlum 3005 – handheld survey meter from Ludlum Measurements. Detector: Energy-compensated GM. Enclosure rating and conditions: IP53.




| Detector | Enclosure rating and conditions | Weight as specified |
|---|---|---|
| **Energy-compensated GM** [1] | **IP53** [1] | **.06 kg** [1] |

## Specifications

### DETECTOR

| | | |
|---|---|---|
| Detector | Energy-compensated GM | [1] |
| Internal detector | Energy-compensated GM | [1] |

### PERFORMANCE

| | | |
|---|---|---|
| Linearity | ±10 % | [1] |
| Resolution time | Approximately 5 µs as defined by IEC 60325 | [1] |

### MEASURING RANGE

| | | |
|---|---|---|
| Response time | User-selectable from 1 to 60 s, or Auto-Response Rate FAST or SLOW | [1] |
| Internal detector range | 1 µSv/h to 50 mSv/h (0.1 mR/hr to 5 R/hr) | [1] |
| Energy response | 60 keV to 3 MeV (±25%) | [1] |

### ELECTRONICS & SIGNAL

| | | |
|---|---|---|
| Detector bias | 550 V | [1] |

### POWER & BATTERY

| | | |
|---|---|---|
| Power supply | Four alkaline “AA” batteries | [1] |
| 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 | [1] |

## ORDERING & ACCESSORIES

| | | |
|---|---|---|
| Part number | 48-4231 | [1] |

## Sources

[1] **Model 3005 – Digital Survey Meter with Internal Detector**
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-3005

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.