LUDLUM

Model 3-97

Gamma survey

A meter with an internal scintillation detector and external energy-compensated GM detector for locating sources and measuring exposure rate.



Detectors
Internal NaI(Tl), 2.5 × 2.5 cm; external 44-38 energy-compensated GM [1]

Weight including batteries and detector
2 kg [1]

Specifications

DETECTOR

Detectors	Internal NaI(Tl), 2.5 × 2.5 cm; external 44-38 energy-compensated GM	[1]

PERFORMANCE

Linearity	±10 %	[2]

MEASURING RANGE

Exposure-rate range	Internal: 0–3000 µR/hr; external: up to 200 mR/hr	[1]
Response time (10–90%)	FAST 4 s; SLOW 22 s	[1]

CONNECTIVITY & INTERFACE

Display	Analog; four ranges	[2]
Detector connector	Series C; alternatives available	[1]

POWER & BATTERY

Power supply	2 D batteries	[1]
Battery life, typical	600 h (alkaline batteries)	[1]

MECHANICAL

Dimensions with handle (H × W × L)	24.1 × 8.9 × 21.6 cm	[1]

ENVIRONMENT & RATINGS

perating temperature	−20 to +50 °C	[1]

ORDERING & ACCESSORIES

Weight including batteries and detector	2 kg	[1]

Sources

[1] Model 3-97 Gamma Exposure & Count Ratemeter
Ludlum Measurements · datasheet · p. 1, Specifications (DETECTORS); p. 1, Introduction; p. 1, Specifications (CONTROLS) · checked 2026-10-16
https://ludlums.com/images/data_sheets/M3-97.pdf

[2] Model 3-97 Gamma Survey Meter
Ludlum Measurements · product-page · Features; Specifications tab (Meter); Specifications tab (Linearity) · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-3-97

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.