LUDLUM

Ludlum 2363 with Model 42-41L

ortable neutron meter

Ludlum 2363 with Model 42-41L – portable neutron meter from Ludlum Measurements.



Weight as specified

Without PRESCILA: 2.0 kg; with PRESCILA: 4.2 kg (both including batteries) [1]

Specifications

PERFORMANCE

Linearity	Reading within 10 % of true value with detector connected	[1]

MEASURING RANGE

Neutron energy range	Thermal to 100 MeV	[1]
Sensitivity	Neutron (with Model 42-41L): approx. 35 cpm/µSv/h (350 cpm/mrem/hr), gamma rejection up to 1 mSv/h (100 mR/hr); gamma (internal detector): approx. 100 cpm/µSv/h (1000 cpm/mR/hr)	[1]

CONNECTIVITY & INTERFACE

Detector connector	Series "C" (others available on request)	[1]

POWER & BATTERY

Power supply	2 "D" cell batteries	[1]
Battery life and conditions	Greater than 200 hours	[1]

MECHANICAL

Overall dimensions (H × W × L)	Without PRESCILA: 19.6 × 8.9 × 21.1 cm; with PRESCILA: 32.3 × 13.7 × 34.3 cm (both including connector protrusion)	[1]
Weight as specified	Without PRESCILA: 2.0 kg; with PRESCILA: 4.2 kg (both including batteries)	[1]

ENVIRONMENT & RATINGS

Operating temperature	Neutron (PRESCILA): ±30% from 0 to +40 °C (32 to 104 °F); gamma (internal GM): ±10% from −20 to +50 °C (−4 to 122 °F)	[2]

Sources

[1] **odel 2363 with Model 42-41L Neutron Dose Survey Meter**
Ludlum Measurements · product-page · Specifications tab, 'Neutron Energy Response'; Specifications tab, 'Sensitivity'; Specifications tab, 'Linearity' · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-2363-with-42-41l

[2] Ludlum Model 2363 manual
Ludlum Measurements · manual · Manual p. 14 (p. 3-2), section 3 Specifications · checked 2026-10-16
https://ludlums.com/images/product_manuals/M2363.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.