LUDLUM

Ludlum 194

Handheld survey meter

Ludlum 194 – handheld survey meter from Ludlum Measurements. Detector: Rugged plastic scintillator, EJ-256 (internal). Enclosure rating and conditions: IP65.



Detector
Rugged plastic scintillator, EJ-256 (internal) [1]

Enclosure rating and conditions
IP65 [1]

Weight as specified
1.1 kg including batteries [1]

Specifications

DETECTOR

Detector	Rugged plastic scintillator, EJ-256 (internal)	[1]

MEASURING RANGE

Low range	Background to 19.99 µSv/h (1999 µrem/hr)	[1]
High range	1 to 1999 µSv/h (0.1 to 199.9 mrem/hr)	[1]
Detector arrangement	Internal detector	[1]
Energy response	Energy-flat within ±30% relative to ambient dose equivalent from 50 to 1300 keV (194 and 194/S)	[1]

POWER & BATTERY

Power supply	Two "AA" cell batteries	[1]
Battery life and conditions	Approximately 200 hours without backlight or audio; green BAT OK light indicates adequate battery power	[1]

MECHANICAL

Dimensions (H × W × L)	19.0 x 8.9 x 21.6 cm	[1]
Weight as specified	1.1 kg including batteries	[1]

ENVIRONMENT & RATINGS

Operating temperature	-10 to 50 °C	[1]
Enclosure rating and conditions	IP65	[1]

ORDERING & ACCESSORIES

Part number	48-4364	[1]

GENERAL

Readout unit	µrem/hr (low range) and mrem/hr (high range)	[1]

Sources

[1] **Model 194 Dose Equivalent Rate Meter**
Ludlum Measurements · product-page · Specifications tab, 'Detector'; Specifications tab, 'Low Range'; Specifications tab, 'High Range' · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-194

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.