LUDLUM

Model 2401-P

Compact contamination meter

A pocket-size instrument with an integrated pancake GM detector for alpha, beta and gamma checks.



Detector type	Count-rate range	Weight including battery
Integrated pancake GM [1]	**0–660 kcpm** [2]	**.4 kg** [1]

Specifications

DETECTOR

Detector type	Integrated pancake GM	[1]
Radiation	Alpha, beta, gamma	[1]
Active detector area	15.51 cm²	[2]

MEASURING RANGE

Exposure-rate range	0–200 mR/hr	[2]
Count-rate range	0–660 kcpm	[2]
Response time, typical (10–90%)	11 s	[1]
Energy response	Energy dependent	[2]

POWER & BATTERY

Power supply	9 V battery	[1]
Battery life, typical	250 h (alkaline battery, at normal background levels)	[1]

MECHANICAL

Dimensions (H × W × L)	4.6 × 8.4 × 13.5 cm	[1]

ENVIRONMENT & RATINGS

perating temperature	−20 to +50 °C (−4 to 122 °F); may be certified for operation from −40 to +65 °C (−40 to 150 °F)	[3]

ORDERING & ACCESSORIES

Weight including battery	0.4 kg	[1]

GENERAL

Alarm	No	[1]

Sources

[1] **Model 2401-P Pocket-Size Survey Meter with Pancake GM (data sheet)**
Ludlum Measurements · datasheet · p. 1, Features and Specifications (DETECTOR); p. 1, Specifications; p. 1, Specifications (BATTERY LIFE) · checked 2026-10-16
https://ludlums.com/images/data_sheets/M2401-P.pdf

[2] **Model 2401-P Pocket-Size Survey Meter with Pancake GM**
Ludlum Measurements · product-page · Specifications tab (Window); Specifications tab (Range); Product page – Specifications · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-2401-p

[3] **Ludlum Models 2401-EC, 2401-EW, 2401-EC2 and 2401-P manual**
Ludlum Measurements · manual · Manual p. 15 (p. 5-1), section 5, Environmental Conditions for Normal Use · checked 2026-10-16
https://ludlums.com/images/product_manuals/M2401-EC_&_M2401-EW_&_M2401-EC2_&_M2401-P.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.