LUDLUM

Ludlum Model 500-1

Pulse generator

Pulse generator for scaler and ratemeter calibration, with selectable polarity and measurement of the connected instrument’s high voltage.



Weight
4.1 kg [1]

Specifications

PERFORMANCE

Pulse rate accuracy	Within 2% of true value	[1]
Pulse amplitude accuracy	Within 10% of true value	[1]

MEASURING RANGE

Pulse rate range	1–9,900,000 cpm	[1]
External high-voltage measurement range	0–1999 V DC	[1]

ELECTRONICS & SIGNAL

Pulse amplitude	0–5 V, selectable positive/negative polarity	[1]
Typical negative pulse duration	7.0 µs	[2]
Positive pulse duration	<2.25 µs	[1]

CONNECTIVITY & INTERFACE

External high-voltage display	4-digit LED	[1]
Pulse amplitude display	Analog	[1]

MECHANICAL

Dimensions (H × W × D)	21.6 × 29.2 × 24.1 cm	[1]
Weight	4.1 kg	[1]

ORDERING & ACCESSORIES

Part number	48-1166	[1]

Sources

[1] Model 500-1 Pulse Generator with Digital & Analog Display
Ludlum Measurements · datasheet · p. 1, Specifications; p. 1, Specifications (PULSE RATE); p. 1, Specifications (PULSE AMPLITUDE) · checked 2026-10-16
https://ludlums.com/images/data_sheets/M500-1.pdf

[2] Model 500-1 Pulse Generator
Ludlum Measurements · product-page · Specifications tab (Pulse Polarity) · checked 2026-10-16
https://ludlums.com/products/all-products/product/model-500-1

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.