ORTEC

ORTEC 9349

Log/lin ratemeter

Analog ratemeter for photon or ion-beam counting with a fast negative NIM input.



Linear full-scale ranges
11 ranges: 10–10⁶ counts/s (1–3–10 steps) [1]

Logarithmic range
10–10⁶ counts/s; 5 decades [2]

Input signal
Fast negative NIM; −600−−1800 mV; 50 Ω [1]

Specifications

PERFORMANCE

Meter accuracy	2% of full scale	[1]

MEASURING RANGE

Linear full-scale ranges	11 ranges: 10–10⁶ counts/s (1–3–10 steps)	[1]
Logarithmic range	10–10⁶ counts/s; 5 decades	[2]

ELECTRONICS & SIGNAL

Input signal	Fast negative NIM; −600−−1800 mV; 50 Ω	[1]
Minimum pulse width	4 ns FWHM	[1]
Analog output	0–10 V full scale; 100 Ω	[1]

MECHANICAL

Net weight	1.5 kg	[1]

GENERAL

Zero suppression	0–100% of full scale	[2]
Module width	Double-width NIM module	[2]

Sources

[1] **9349 Log/Lin Rate Meter**
RTEC (AMETEK) · product-page · product page; Specifications – Weight · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/coun…

[2] **9349 – Log/Lin Ratemeter**
ORTEC (AMETEK) · datasheet · p. 2; p. 1 · checked 2026-10-16
https://edge.sitecorecloud.io/ametekinc1236b-ametekb19a-productiondcfa-1d17/media/Project/Ametek/ortec-onlin…

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.