ORTEC

ORTEC 427A

Delay amplifier

Delays analog and logic signals to align measurement channels.



Gain at zero delay	Selectable delay	Minimum delay
1 ±2 % [1]	**0–4.75 µs** [1]	**60 ns** [1]

Specifications

PERFORMANCE

Integral nonlinearity	<±0.05 %; 0.1–10 V	[1]

MEASURING RANGE

Linear input range	±10 V	[1]

ELECTRONICS & SIGNAL

Gain at zero delay	1 ±2 %	[1]
Input impedance	>1 kΩ; DC-coupled	[1]
utput impedance	Approximately 1 Ω front; 93 Ω rear	[1]

ENVIRONMENT & RATINGS

perating temperature	0–50 °C	[1]

GENERAL

Selectable delay	0–4.75 µs	[1]
Minimum delay	60 ns	[1]
Rise time at 4.75 µs delay	400 ns	[1]

Sources

[1] **427A Delay Amplifier**
ORTEC (AMETEK) · datasheet · p. 1, Specifications – Performance; p. 1, features; Controls; p. 1, Controls · 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.