ORTEC

ORTEC 551

Timing single-channel analyzer

Single-channel analyzer combining amplitude selection with constant-fraction timing; outputs can be delayed or controlled by an external strobe.



Dynamic range	Minimum lower threshold	Linear input range
200:1 [1]	**50 mV** [1]	**0…+10 V** [1]

Specifications

Dynamic range	200:1	[1]
Minimum lower threshold	50 mV	[1]
Linear input range	0…+10 V	[1]
Window width	0–1 V	[1]
Short delay range	0.1–1.1 µs	[1]
Long delay range	1–11 µs	[1]
Nominal positive SCA output	+5 V; 500 ns	[1]
Negative SCA output width	≤20 ns	[1]

Sources

[1] **551 Timing Single-Channel Analyzer**
RTEC (AMETEK) · datasheet · p. 1, Specifications – Performance; p. 1, Inputs (SIGNAL INPUT); p. 1, Controls (WINDOW OR UPPER LEVEL) · 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.