ORTEC

ORTEC 550A

Single-channel analyzer

Selects a pulse-amplitude interval from a spectroscopy amplifier for counting, with integral, normal and symmetric/asymmetric window modes.



Dynamic range	Linear input range	Window width
500:1 [1]	**+20 mV…+10 V** [1]	**0–1 V** [1]

Specifications

Dynamic range	500:1	[1]
Linear input range	+20 mV…+10 V	[1]
Window width	0–1 V	[1]
Minimum input pulse width	100 ns	[1]
Pulse-pair resolving time	100 ns + output pulse width	[1]
Input impedance	≈1 kΩ	[1]
Nominal SCA output	+5 V; 500 ns	[1]
Discriminator nonlinearity	<±0.25% of full scale	[1]

Sources

[1] **550A Single-Channel Analyzer**
RTEC (AMETEK) · datasheet · p. 1, Specifications – Performance; p. 2, Inputs (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.