ORTEC

ORTEC 575A

Spectroscopy amplifier

RTEC 575A shapes and amplifies detector pulses for energy s pectroscopy. Settings are matched to the detector, preamplifier a nd count rate.



Channels

1 [1]

Specifications

PERFORMANCE

Integral nonlinearity	<±0.05 % at 1.5 µs	[1]
Equivalent input noise	<5 µV rms at 3 µs; <7 µV at 1.5 µs; unipolar, gain ≥100	[1]

MEASURING RANGE

Linear unipolar output	0–+10 V	[1]

ELECTRONICS & SIGNAL

Gain	5–1250	[1]
Shaping time constants	0.5; 1.5; 3 µs	[1]
Input polarity	Positive or negative	[1]
Channels	1	[1]

ENVIRONMENT & RATINGS

Gain temperature instability	≤±0.0075 %/°C; 0–50 °C	[1]

GENERAL

Module format	Single-width NIM	[1]

Sources

[1] **575A Amplifier**
ORTEC (AMETEK) · datasheet · p. 1, Specifications – Performance; p. 1, Controls; p. 1, Performance · 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.