ORTEC

ORTEC 925-SCINT ACE Mate

Amplifier, preamplifier, bias and SCA

Standalone electronics unit for scintillation measurements combining a preamplifier, shaping amplifier, single-channel analyzer, ratemeter and high-voltage supply. Detector selected separately.



Gain	Peaking time	Pulse shape
5–1250 [1]	**2 µs** [2]	**Semi-Gaussian, bipolar** [2]

Specifications

PERFORMANCE

Peaking time	2 µs	[2]

MEASURING RANGE

Linear output range	0–10 V; positive lobe leading	[2]
SCA dynamic range	200:1	[1]
High-voltage output range	50–2000 V; selectable polarity	[2]

ELECTRONICS & SIGNAL

Gain	5–1250	[1]
Pulse shape	Semi-Gaussian, bipolar	[2]
Maximum high-voltage load	1 mA at 2000 V	[1]
High-voltage ripple	<15 mV rms; 1 kV, 1 mA	[1]

CONNECTIVITY & INTERFACE

Ratemeter display range	0–99.9 kcps	[1]

POWER & BATTERY

Power supply	115 or 230 V AC; internal tap for 100 or 200 V AC	[1]

GENERAL

SCA lower/upper level	0.05–9.99 V	[1]

Sources

[1] **925-SCINT ACE Mate – Preamplifier, Amplifier, Bias Supply and SCA**
RTEC (AMETEK) · datasheet · p. 2; p. 2, Ratemeter; p. 1 · checked 2026-10-16
https://edge.sitecorecloud.io/ametekinc1236b-ametekb19a-productiondcfa-1d17/media/Project/Ametek/ortec-onlin...

[2] **925-SCINT ACE Mate Preamplifier, Amplifier, Bias Supply and SCA**
RTEC (AMETEK) · product-page · product page · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/sing…

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.