ORTEC

ORTEC 428

Detector bias supply

Two individually adjustable bias outputs for semiconductor detectors. Both outputs share the positive or negative polarity selection.



Bias outputs	Net weight
2 [1]	.82 kg [1]

Specifications

PERFORMANCE

Noise and ripple	<0.0002%	[1]

MEASURING RANGE

Voltage range per output	0–1000 V	[1]

ELECTRONICS & SIGNAL

Bias outputs	2	[1]
Output impedance, approximate	1.3 MΩ	[1]

POWER & BATTERY

Power required	+24 V: 205 mA; −24 V: 205 mA	[1]

MECHANICAL

Net weight	1.82 kg	[1]

ENVIRONMENT & RATINGS

Temperature instability	≤±0.02%/°C; 0–50°C	[1]

GENERAL

Polarity	Positive or negative; common to both outputs	[1]
Module width	Double width (NIM standard)	[1]

Sources

[1] **428 Detector Bias Supply**
ORTEC (AMETEK) · datasheet · p. 1, features; p. 1, Outputs (A/B); p. 1, Controls (POS/OFF/NEG) · 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.