ORTEC

ORTEC 659

Detector bias supply

Bias power for germanium and silicon detectors and ionization chambers. Two voltage outputs share the same adjustment dial.



Independent bias supplies

1 [1]

Specifications

PERFORMANCE

Output setting linearity	±3% of dial setting at 10–100% of full range	[1]
Noise and ripple	<10 mV peak-to-peak; 5 Hz–50 MHz	[1]

MEASURING RANGE

Voltage ranges per supply	0–5 kV / 0–500 V; common adjustment	[1]

ELECTRONICS & SIGNAL

Independent bias supplies	1	[1]
Rated current per supply	0–100 µA	[1]
utput voltage rise time, nominal	500 ms	[1]
Bias shutdown	RTEC / TTL / bypass	[1]

GENERAL

Polarity per supply	Positive or negative; internally selectable	[1]
Module width	NIM-1	[1]

Sources

[1] **659 5 kV Radiation Detector Bias Supply**
RTEC (AMETEK) · product-page · Description; Ordering Information; Specifications – Performance; Specifications – Controls · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/nim-...

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.