ORTEC

ORTEC 439

Digital current integrator

Measures DC current or the average of pulse currents, for example from accelerator beams. May be combined with counters for charge or current measurements.



Current range

10^{-9}–10^{-2} A [1]

Specifications

MEASURING RANGE		
Current range	10^{-9}–10^{-2} A	[1]
ELECTRONICS & SIGNAL		
Input leakage current	<10^{-12} A	[1]
Digitized output	+5 V; 500 ns	[1]
POWER & BATTERY		
Charge per output pulse	10^{-10} / 10^{-8} / 10^{-6} C	[1]
MECHANICAL		
Net weight	1.7 kg	[1]
ENVIRONMENT & RATINGS		
Temperature instability	≤±0.05%/°C; 0–50°C	[1]
GENERAL		
Digitizing rate	0–10 kHz	[1]
Digitized reproducibility	0.01%	[1]
Module width	Triple width (NIM standard)	[1]

Sources

[1] **439 Digital Current Integrator**
RTEC (AMETEK) · datasheet · p. 1, Inputs (SIGNAL INPUT); p. 1, description; p. 1, description; p. 2 Outputs (DIGITIZED) · 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.