ORTEC

ORTEC 996

Counter and timer

NIM pulse-counting module with positive or negative input and optional computer control. Includes a preset timer.



Counters	Capacity per counter
1 [1]	**0–99,999,999; 8 decades** [2]

Specifications

PERFORMANCE

Pulse pair resolution	<10 ns negative; <40 ns positive	[2]

ELECTRONICS & SIGNAL

Counters	1	[1]
Maximum counting rate, negative input	100 MHz	[2]
Maximum counting rate, positive input	25 MHz	[2]
Positive input threshold	+100 mV–+9.5 V	[1]

COOLING

Capacity per counter	0–99,999,999; 8 decades	[2]

CONNECTIVITY & INTERFACE

Computer interface	RS-232-C with optional 99X-1	[2]

MECHANICAL

Weight	Net 0.908 kg	[3]

GENERAL

Module width	Single-width NIM module	[2]
Internal clock	10 MHz	[1]
Time base increments	0.01 s / 0.01 min	[1]
Preset time	0.01–990,000 s / 0.01–990,000 min	[1]

Sources

[1] **996 CCNIM Timer and Counter (Blind Preset Timer and 100-MHz, 8-Decade Counter)**
ORTEC (AMETEK) · datasheet · p. 1; p. 2 · checked 2026-10-16
https://edge.sitecorecloud.io/ametekinc1236b-ametekb19a-productiondcfa-1d17/media/Project/Ametek/ortec-onlin...

[2] 996 CCNIM Timer and Counter
RTEC (AMETEK) · product-page · product page; Specifications – Dimensions · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/coun…

[3] ORTEC 996 manual
RTEC (AMETEK) · manual · Manual, Specifications – Weight · 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.