ORTEC

ORTEC 974A

Quad counter/timer

Four-channel CCNIM counter with selectable timer operation and computer control through a serial interface.



Main channels	Capacity per section
4 [1]	**8 decades** [1]

Specifications

PERFORMANCE

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

ELECTRONICS & SIGNAL

Main channels	4	[1]
Maximum counting rate, negative input	100 MHz	[1]
Maximum counting rate, positive input	25 MHz	[2]

COOLING

Capacity per section	8 decades	[1]

CONNECTIVITY & INTERFACE

Communication	RS-232-C / 20 mA current loop	[1]

MECHANICAL

Weight	Net 2.4 kg	[3]

GENERAL

Internal clock	1 MHz	[1]
Time base increments	0.1 s / 1 min	[1]
Module width	Double-width NIM module	[1]

Sources

[1] **974A – CCNIM Quad 100-MHz Counter/Timer**
ORTEC (AMETEK) · datasheet · p. 1; p. 3 · checked 2026-10-16
https://edge.sitecorecloud.io/ametekinc1236b-ametekb19a-productiondcfa-1d17/media/Project/Ametek/ortec-onlin...

[2] **974A CCNIM Quad 100-MHz Counter/Timer**
RTEC (AMETEK) · product-page · product page · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/coun...

[3] ORTEC 974A 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.