ORTEC

ORTEC 976

Quad counter/timer

Four fast counters with individual displays and a fifth section usable as a timer, counter, rate divider or delay.



Main counters
4 [1]

Display per main counter
8 digits [1]

Specifications

PERFORMANCE

Pulse pair resolution, channels 1–4	4 ns	[1]

MEASURING RANGE

Maximum counting rate, channels 1–4	250 MHz	[1]

ELECTRONICS & SIGNAL

Main counters	4	[1]
Input logic	TTL / fast negative NIM; 50 Ω	[1]

COOLING

Display per main counter	8 digits	[1]

POWER & BATTERY

Power required	+6 V: 0.7 A; −6 V: 0.9 A	[1]

MECHANICAL

Net weight	1.02 kg	[1]

GENERAL

Maximum counting rate, section 5	80 MHz	[1]
Internal clock	1 MHz; ±50 ppm	[1]
Time base increments	1 µs / 1 ms	[1]
Module width	Double-width NIM module	[1]

Sources

[1] **976 Quad 250-MHz Counter/Timer**
ORTEC (AMETEK) · product-page · product page; Specifications – inputs; Specifications – 5 IN · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/coun...

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.