ORTEC

ORTEC CO4020

Quad four-input logic unit

Four independent logic sections for coincidence, veto, fan-in and fan-out, with NIM and TTL outputs to control downstream instruments.



Independent channels	Signal inputs per channel	Minimum input pulse width
4 [1]	**4** [1]	**3 ns** [1]

Specifications

MEASURING RANGE

Y output width, short range	40–1200 ns	[2]
Y output width, long range	1–40 µs	[2]

ELECTRONICS & SIGNAL

Independent channels	4	[1]
Signal inputs per channel	4	[1]
Minimum input pulse width	3 ns	[1]
Minimum input amplitude	−600 mV, fast negative NIM	[2]
Input impedance	50 Ω	[1]
NIM X output rise time	<4 ns	[1]

POWER & BATTERY

Power supply	+6 V / 200 mA; −6 V / 1000 mA	[1]

Sources

[1] **CO4020 – Quad 4-Input Logic Unit**
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] **CO4020 Quad 4-Input Logic Unit**
RTEC (AMETEK) · product-page · product page · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/dela...

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.