ORTEC

EASY-MCA 2k/8k multikanalsanalysator

Basic analog MCA

Standalone USB-connected multichannel analyzer for routine pulse and spectrum analysis.



Spectrum channels
2 k model: 512–2,048; 8 k model: 512–8,192 [1]

Weight
0.6 kg net [1]

Specifications

PERFORMANCE

Dead time per event	<2 µs including memory transfer	[1]
Dead-time correction	Gedcke-Hale; BUSY and PUR inputs	[1]
Integral nonlinearity	≤±0.025% over top 99% of dynamic range	[1]

ELECTRONICS & SIGNAL

Spectrum channels	2 k model: 512–2,048; 8 k model: 512–8,192	[1]
Input signal	Positive analogue pulses, 0 to +10 V, from a shaping amplifier	[1]
Gate input	TTL; coincidence, anti-coincidence or off	[1]

CONNECTIVITY & INTERFACE

Communication	USB 2.0, up to 480 Mbit/s	[1]

POWER & BATTERY

Power supply	+12 V, 0.4 A; included mains supply	[1]

MECHANICAL

Weight	0.6 kg net	[1]
Dimensions	34.9 × 134 × 205 mm (H × W × D), including BNC	[1]

ENVIRONMENT & RATINGS

Operating temperature	0 to +50 °C	[1]

ORDERING & ACCESSORIES

Included software	MAESTRO	[1]

Models

Model	Spectrum channels

EASY-MCA-2K	2,048 channels, switchable to 1,024 or 512 [2]
EASY-MCA-8K	8,192 channels, switchable to 4,096, 2,048, 1,024 or 512 [2]

Sources

[1] **EASY-MCA 2k or 8k Channel Multichannel Analyzer**
ORTEC (AMETEK) · product-page · Introduction; Specifications tab – Performance; Specifications tab – Performance, ADC · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/electronic-instruments/mult...

[2] **EASY-MCA-2k/8k – 2k or 8k Channel MultiChannel Analyzer with MAESTRO Software**
ORTEC (AMETEK) · brochure · p. 1, intro text · checked 2026-10-16
https://web.archive.org/web/20251016025521/https://www.ortec-online.com/-/media/ametekortec/brochures/e/easy...

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.