ORTEC

ORTEC EASY-MCS

Multichannel scaler

USB-connected multichannel scaler for time-resolved counting rates and multiple-stop time spectrometry. Control, display and analysis software is included.



Channels per scan
4–65,536 with ramp off; 4–32,768 with ramp on [2]

Capacity per channel
,073,741,823 counts; 30 bits [2]

Specifications

PERFORMANCE

Time base accuracy	±100 ppm over operating temperature range	[2]

ELECTRONICS & SIGNAL

Dwell time per channel	100 ns–1300 s	[2]
Channels per scan	4–65,536 with ramp off; 4–32,768 with ramp on	[2]
SCA thresholds	0–10 V; 12 bits	[2]
Ramp output	0–10 V; 16 bits; 2 µs settling time	[2]

COOLING

Capacity per channel	1,073,741,823 counts; 30 bits	[2]

CONNECTIVITY & INTERFACE

Computer interface	USB 2.0	[1]

MECHANICAL

Weight	0.52 kg (1.13 lb)	[3]
Dimensions	3.5 × 13.4 × 20.5 cm (H × W × D)	[3]

ENVIRONMENT & RATINGS

perating temperature	0–50 °C	[2]

GENERAL

Maximum counting rate, IN	150 MHz	[1]
Maximum counting rate, SCA IN	1 MHz	[1]

Sources

[1] EASY-MCS Multichannel Scaler
ORTEC (AMETEK) · datasheet · p. 2; p. 7 · checked 2026-10-16
https://edge.sitecorecloud.io/ametekinc1236b-ametekb19a-productiondcfa-1d17/media/Project/Ametek/ortec-onlin…

[2] EASY-MCS Multichannel Scaler
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 Easy-MCS manual
RTEC (AMETEK) · manual · Manual, Specifications · 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.