PEC SHEET

EA-4000 Eye Analyzer

OPTICAL AND ELECTRICAL SAMPLING SCOPE



The fastest sampling scope in the industry supporting 28G NRZ signals.

KEY FEATURES

Ultra-fast 1M sample/s, measures 1000 waveforms in 2 seconds (2000 sample/waveform)

Supporting 28G NRZ signals

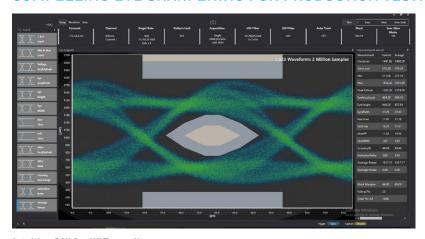
Optical receiver support singlemode and multimode

Repeatable measurements and comparable to tier-1 scope

Built-in low jitter mode



COMPELLING EYE SHARPENING FOR PRODUCTION TESTING



Intuitive GUI for NRZ eye diagrams

SPECIFICATIONS

All specifications are typical at 23 °C \pm 2 °C unless otherwise specified.

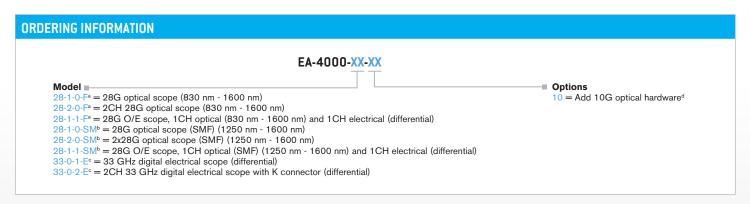
1,000,000
33 (typical at 3 dB bandwidth)
1.0 (max.)
1.7 (max.)
K(f) (50 Ω)
-6.5 (at 32 GHz)
2.0 (typical) / 2.5 (max.)
33 (for 28G optical)
830-1600 (full range model of 28G) 1250-1600 (SMF model of 28G)
-24 (full range model) -30 (SMF model)
−8 (typical at 850 nm) −10 (typical at 1310 nm)
8
FC/PC (50/125 μm) (full range model) FC/PC (9/125 μm) (SMF model)
/8, /16, /32, /64
<290 (typical)
100 (typical)



GENERAL SPECIFICATIONS							
Size (H x W x D)	103 mm x 442 mm x 300 mm (4.1 in x 17.4 in x 11.8 in)						
Weight	≤10 kg (22 lb)						
Temperature Operating Storage	5 °C to 40 °C (41 °F to 104 °F) -20 °C to 70 °C (-4 °F to 158 °F)						
Relative humidity	20% to 80%						
Power ^a	100/120 Vac (50/60/400 Hz) 220/240 Vac (50/60 Hz) 60 W typical/80 W max.						
Access interface	Gigabit Ethernet (RJ45 port)						

a. Operate with supply voltage fluctuations up to ± 10 % of the nominal voltage.

MODELS							
EA-4000	No. of optical CH	λ_{start}	λ_{stop}	Connector type	No. of differential electrical CH	x10G option	Application
28-1-0-F	1	830 nm	1600 nm	FC/PC (50/125 µm)	0	YES	Full range: singlemode and multimode
28-2-0-F	2	830 nm	1600 nm	FC/PC (50/125 µm)	0	NO	Full range: singlemode and multimode
28-1-1-F	1	830 nm	1600 nm	FC/PC (50/125 µm)	1	NO	Full range: singlemode and multimode
28-1-0-SM	1	1250 nm	1600 nm	FC/PC (9/125 µm)	0	YES	Singlemode
28-2-0-SM	2	1250 nm	1600 nm	FC/PC (9/125 µm)	0	NO	Singlemode
28-1-1-SM	1	1250 nm	1600 nm	FC/PC (9/125 µm)	1	NO	Singlemode
33-0-1-E	0	-	-	-	1	NO	Electrical EYE
33-0-2-E	0	_	_	_	2	NO	Electrical EYE



- a. Multimode and singlemode supported.
- b. Best for singlemode.
- c. Best for electrical EYE.
- d. Available for EA-4000-28-1-0-F and EA-4000-28-1-0-SM.

EXFO headquarters T +1 418 683-0211 Toll-free +1 800 663-3936 (USA and Canada)

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