EXFO AXS-100 Specs Provided by www.AAATesters.com AXS-100 Access OTDR

FTTX LAST-MILE AND POINT-TO-POINT TROUBLESHOOTING UNIT



A powerful handheld unit designed for singlemode OTDR troubleshooting and in-service PON troubleshooting.

KEY FEATURES

Wavelengths: 1310/1550/1625 nm

Dynamic range: 29/28/28 dB

In-service PON troubleshooting using 1625 nm port

Battery autonomy: 8 hours

APPLICATIONS

FTTx last-mile in-service troubleshooting

Point-to-point link testing

CATV network testing

COMPLEMENTARY PRODUCTS AND OPTIONS



Fiber Inspector Probe FIP-400



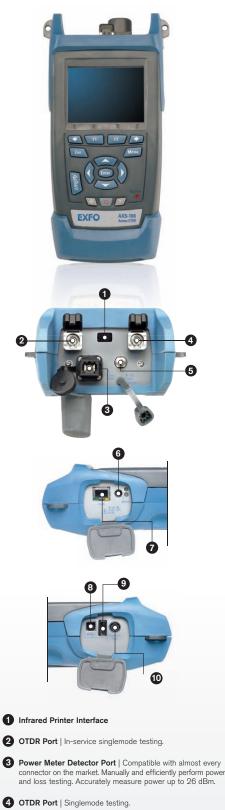
Data Post-Processing Software FastReporter



Soft Pulse Suppressor Bag SPSB



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- **5** VFL Port | Built-in 650 nm visual fault location on a universal 2.5 mm connector.
- 6 AC Adapter
- **7** RJ-45 | TCP/IP testing.
- 8 USB B | Data transfer using ActiveSync or remote control.
- 9 USB A | Data transfer using memory stick.
- D Fiber Inspection Probe Port

TECHNICAL SPECIFICATIONS ^a	
Wavelengths (nm)	1310/1550/1625
Dynamic range ^b (dB)	29/28/28 (1310/1550/1625 nm)
Pulse width (ns)	10, 30, 100, 275, 1000, 2500, 10 000
Event dead zone $^{\circ}$ (m)	2.5
Attenuation dead zone $^{\rm c}$ (m)	11/12/12
Linearity (dB/dB)	±0.05
Loss threshold (dB)	0.05
Loss resolution (dB)	0.01
Sampling resolution (m)	0.16 to 5
Sampling points	Up to 30 000
Distance uncertainty ^d (m)	\pm (1 + 0.005 % x distance + sampling resolution)
Distance range (km)	0.65 to 160
Typical real-time refresh (Hz)	2
Memory capacity	500 traces
Measurement time	User-defined
Stable source output power $^{\rm e}$ (dBm)	-11
Visual fault locator (optional)	Laser, 650 nm \pm 10 nm CW typical P _{out} of 1.4 mW open beam

OPTIONAL POWER METER^f

Calibrated wavelengths (nm)	850, 1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610, 1625
Power range (dBm)	26 to -64 (GeX 2 mm)
Uncertainty	$\pm5~\%\pm$ 0.4 nW (up to 5 dBm)
Display resolution (dB)	0.01 (-54 dBm to P _{max}) 0.1 (-54 dBm to -64 dBm) 1 (-64 dBm to min)
Automatic offset nulling range ^g	Maximum power to -38 dBm
Tone detection (Hz)	270/1000/2000

GENERAL S	PECIFICATION	S
Size (H x W x D))	250 mm x 125 mm x 75 mm (9 ⁷ /8 in x 4 ¹⁵ /16 in x 3 in)
Weight		1 kg (2.2 lb)
Temperature	operating	-18 °C to 50 °C (14 °F to 122 °F)
	storage	-40 °C to 70 °C (-40 °F to 158 °F)
Relative humidi	ty	0 % to 95 % non-condensing
Power		Li-ion batteries; 8 hours of continuous operation as per Bellcore TR-NWT-001138
Warranty (years	5)	1

LASER SAFETY

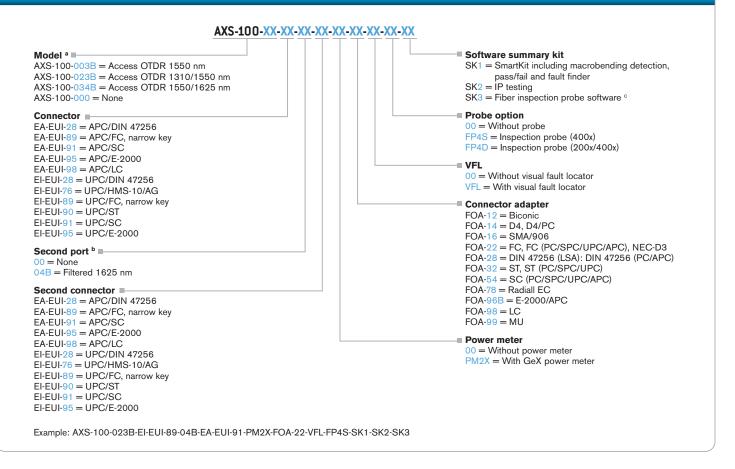
21 CFR 1040.10 AND IEC 60825-1:2007 CLASS 1M WITHOUT VFL OPTION CLASS 3R WITH VFL OPTION

Notes

- a All specifications valid at 23 °C ± 2 °C (73.4 °F ± 3.6 °F) with an FC/PC connector, unless otherwise specified.
- b. Typical dynamic range with longest pulse and three-minute averaging at $\ensuremath{\mathsf{SNR}}=1.$
- c. Typical dead zone for reflectance below -45 dB, using shortest pulse.
- d. Does not include uncertainty due to fiber index.
- e. Typical output power is given at 1550 nm.
- f. At 23 °C ± 1 °C, 1550 nm and with FC connector. With OTDR in idle mode, battery operated.
- g. For ± 0.05 dB, from 18 °C to 28 °C.



ORDERING INFORMATION



Notes

a. Please refer to the example above. First select the singlemode connector, and then the live port connector.

b. Not available with AXS-100-034B

c. Mandatory with FP4S or FP4D.

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