1x12 Optical Switch Module

FTB-9100



MTP, SC or E-2000 output connectors

Continuous OTDR testing on up to 12 fibers

Accelerated ribbon-fiber testing

Multiply Speed and Power

Multiply your measurement power by achieving highly accurate, repeatable fiber-to-fiber switching with the FTB-9100 Optical Switch. Combine the FTB-9100 Optical Switch, an OTDR module and EXFO's advanced FTB-400 Universal Test System, to automatically perform single-or dual-wavelength OTDR acquisitions on up to 12 fibers.

Stop Waiting, Start Testing

The optical switch module performs reliable one-stop batch fiber testing or ribbon-fiber testing by switching between one common port and 12 input/output ports. Choose from three output connector types: MTP (ribbon), SC or E-2000. With only one connection to handle, the MTP connector and patchcord configuration cuts setup time and speeds up testing.

Get Ahead on High-Volume Acquisitions

Efficient software is essential for realizing productivity goals. ToolBox OTDR software automatically delivers accurate, high-volume testing. Simply press the Start button and let the FTB-9100 Optical Switch direct the OTDR signal from one fiber to another. ToolBox OTDR software automatically acquires and stores test data, then generates an integrated result table based on Pass/Fail thresholds.

EXFO

Optical Switch Specifications¹

Model	FTB-9100-01-12-B-XX	FTB-9100-01-12-B-92-XX	FTB-9100-01-12-C/D-XX
	Singlemode	Singlemode	Multimode
Number of channels	1x12	1x12	1x12
Connector type	SC/PC (54), E-2000/PC (95)	MTP/APC	SC/PC (54)
	SC/APC (88), E-2000/APC (96)	(female connector) ²	
Insertion loss ³ (dB)	0.7	0.9	0.5
Backreflection⁴ (dB)	-40 (PC)	– 55	-24
	-55 (APC)		
Repeatability⁵ (dB)	± 0.03	± 0.03	± 0.03
Operating wavelengths (nm)	1290 to 1650	1290 to 1650	780 to 1350
Polarization dependent loss (dB)	0.05 ⁶	0.056	-
Crosstalk (dB)	-80	-80	-80
Switch life	10 million cycles n	ninimum (excluding connector cycles)	
Maximum optical input power	24 dBm	24 dBm	24 dBm

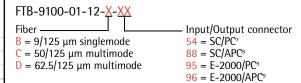
Optical Switch General Specifications

Temperature	emperature				
operating	10 °C to 40 °C	(50 °F to 104 °F)			
storage	-20 °C to 60 °C	(-4 °F to 140 °F)			
Relative humidity	80 % max. non-condensing				
Size (H x W x D)	9.6 cm x 5.1 cm x 26.0 cm	(3 ³ / ₄ in x 2 in x 10 ¹ / ₄ in)			
Weight	1.0 kg	(2.2 lb)			

NOTES

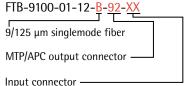
- 1. All specifications are for a temperature of 23 °C (73 °F) with an SC/PC connector unless otherwise specified.
- 2. MTP connectors are sensitive to dirt. Protection and cleanup before and after each use is recommended.
- Typical insertion loss per module, excluding connectors, measured at singlemode wavelengths of 1310 nm and 1550 nm.
- Typical backreflection measured at singlemode wavelengths of 1310 nm and 1550 nm, excluding connectors.
- 5. Typical repeatability values for 100 cycles per switch module at a constant temperature for 1 hour with a stabilized source/power meter at singlemode wavelengths of 1310 nm and 1550 nm.
- 7. Configuration 54–SC/PC is offered for singlemode or multimode fiber types.
- 8. Configuration 88-SC/APC is offered for singlemode fiber types only.
- 9. Configuration E-2000 is offered for singlemode fiber types only.

Ordering Information



Example:

FTB-9100-01-12-C-54



EI-EUI-28 = UPC/DIN 47256 EI-EUI-95 = UPC/E-2000EI-EUI-76 = UPC/HMS-10/AGEA-EUI-28 = APC/DIN 47256EI-EUI-89 = UPC/FC narrow key EA-EUI-89 = APC/FC narrow key EI-EUI-90 = UPC/STEA-EUI-91 = APC/SC

Example:

EI-EUI-91 = UPC/SC

FTB-9100-01-12-B-92-EI-EUI-89

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Rugged Handheld Solutions

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- Power Meter
- Light Source
- Talk Set



Modular Platforms OTDR OLTS and more

Advanced DWDM Test Systems

EA-EUI-95 = APC/E-2000

- OSA
- PMD
- Multiwavelength Meter

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EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design,

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