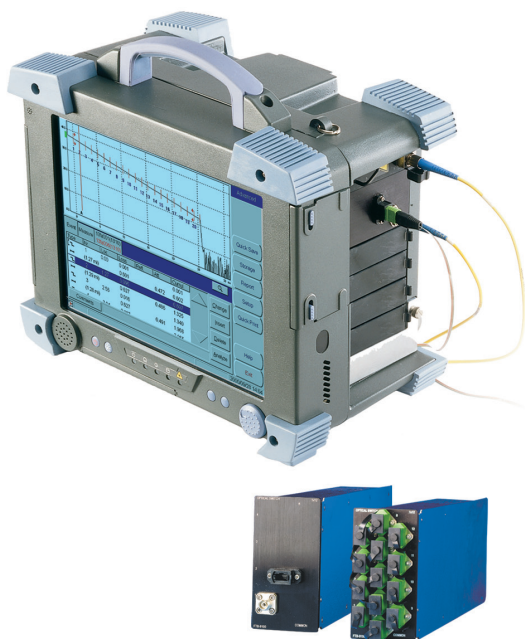


1X12 OPTICAL SWITCH MODULE

FTB-9100

NETWORK 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.

Platform Compatibility

FTB-400 Universal Test System

- MTP, SC or E-2000 output connectors
- Continuous OTDR testing on up to 12 fibers
- Accelerated ribbon-fiber testing

SPECIFICATIONS ^a

Model	FTB-9100-01-12-B-XX	FTB-9100-01-12-B-92-XX	FTB-9100-01-12-B-92-XX
Number of channels	Singlemode 1x12	Singlemode 1x12	Multimode 1x12
Connector type	SC/PC (54), E-2000/PC (95) SC/APC (88), E-2000/APC (96)	MTP/APC (female connector) ^b	SC/PC (54)
Insertion loss ^c (dB)	0.7	0.9	0.5
Backreflection ^d (dB)	-40 (PC) -55 (APC)	-55	-24
Repeatability ^e (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 ^f	0.05 ^f	-
Crosstalk (dB)	-80	-80	-80
Switch life	10 million cycles minimum (excluding connector cycles)		
Maximum optical input power	24 dBm	24 dBm	24 dBm

GENERAL SPECIFICATIONS ^a

Temperature		
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)	96 mm x 51 mm x 260 mm	(3 3/4 in x 2 in x 10 1/4 in)
Weight	1.0 kg	(2.2 lb)

NOTES

- a. All specifications are for a temperature of 23 °C (73 °F) with an SC/PC connector unless otherwise specified.
- b. MTP connectors are sensitive to dirt. Protection and cleanup before and after each use is recommended.
- c. Typical insertion loss per module, excluding connectors, measured at singlemode wavelengths of 1310 nm and 1550 nm.
- d. Typical backreflection measured at singlemode wavelengths of 1310 nm and 1550 nm, excluding connectors.
- e. 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.
- f. Typical.
- g. Configuration 54-SC/PC is offered for singlemode or multimode fiber types.
- h. Configuration 88-SC/APC is offered for singlemode fiber types only.
- i. Configuration E-2000 is offered for singlemode fiber types only.

ORDERING INFORMATION

FTB-9100-01-12-X-XX

Fiber

- B = 9/125 µm singlemode
- C = 50/125 µm multimode
- D = 62.5/125 µm multimode

Input/Output connector

- 54 = SC/PC^g
- 88 = SC/APC^h
- 95 = E-2000/PCⁱ
- 96 = E-2000/APCⁱ

Example:

FTB-9100-01-12-C-54

FTB-9100-01-12-X-XX-XX

Fiber

- B = 9/125 µm singlemode

Output connector

- 92 = MTP/APC

Example:

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

Input connector

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

Find out more about EXFO's extensive line of high-performance portable instruments by visiting our website at www.EXFO.com.

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