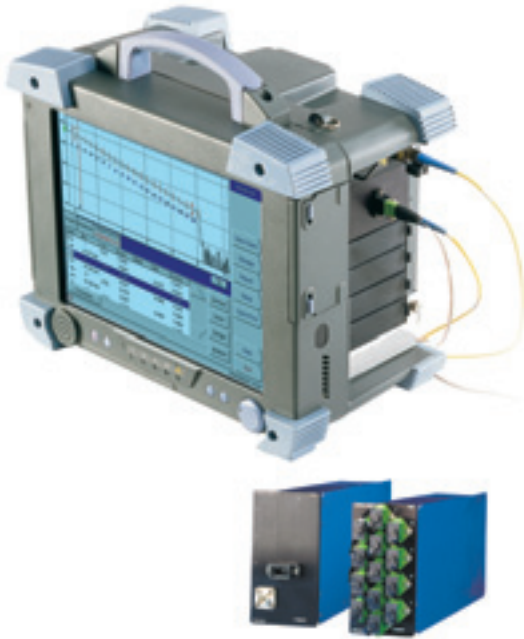


## 1X12 OPTICAL SWITCH MODULE

# 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 <sup>a</sup>

Model	FTB-9100-01-12-B-XX	FTB-9100-01-12-B-92-XX	FTB-9100-01-12-B-92-XX
	Singlemode	Singlemode	Multimode
Number of channels	1x12	1x12	1x12
Connector type	SC/PC (54), E-2000/PC (95) SC/APC (88), E-2000/APC (96)	MTP/APC (female connector) <sup>b</sup>	SC/PC (54)
Insertion loss <sup>c</sup> (dB)	0.7	0.9	0.5
Backreflection <sup>d</sup> (dB)	-40 (PC) -55 (APC)	-55	-24
Repeatability <sup>e</sup> (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 <sup>f</sup>	0.05 <sup>f</sup>	-
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 <sup>a</sup>

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

- All specifications are for a temperature of 23 °C (73 °F) with an SC/PC connector unless otherwise specified.
- 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.
- 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.
- Typical.
- Configuration 54-SC/PC is offered for singlemode or multimode fiber types.
- Configuration 88-SC/APC is offered for singlemode fiber types only.
- 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

Example:

FTB-9100-01-12-C-54

Input/Output connector ■

- 54 = SC/PC<sup>g</sup>
- 88 = SC/APC<sup>h</sup>
- 95 = E-2000/PC<sup>i</sup>
- 96 = E-2000/APC<sup>i</sup>

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



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