Building Better Networks with ROGUE® | aeros® Test Suite

Multi-fiber Switch

The density demands of today's networks are driving more demand for multi-fiber connectivity. As the adoption of multi-fiber connectors becomes more prevalent in data centers, the ability to test these types of connections accurately and quickly has become even more critical. AFL's Multi-fiber switch enables the testing of 12-fiber cables without the need to use a breakout cable. The switch allows you to utilize a single piece of test equipment to seamlessly cycle through all of the fibers in a connector regardless of polarity without having to disconnect and reconnect your test equipment making the testing of your network more efficient, saving you both time and money.

AFL's Multi-fiber switch is compatible with your existing OTDR, OLTS and Certification equipment.

Features

- Stand-alone operation as well as pairing with other testers including OTDRs
- Converts a single port module into a multi-fiber MPO tester
- Dual wavelength, single-mode or multimode
- SC port for connection to test equipment
- 12F MPO port for connection to MPO cable under test
- LCD screen to indicate fiber under test

Multi-fiber Switch paired with ROGUE

Applications

- OLTS, OTDR, and VFL testing
- Efficient testing from 1-12 fiber MPO links
- Bi-directional testing without moving cables
- Measure bi-directional Link loss and length with single button AutoTest
- Verify polarity of MPO cables
- Certify MPO links to latest high speed industry standards including base 8 applications

www.AFLglobal.com or (800) 321-5298, (603) 528-7780

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Specifications[a]

OPTICAL		
Wavelength	1310/1550 nm, SM dual-wavelength	850/1300 nm, MM dual-wavelength
Insertion Loss	2.8 dB typ. – 3.3 dB max.	1.8 dB typ. – 2.3 dB max.
Optical Return Loss (ORL)	50 dB min.	—
Fiber Length	4.4 ± 0.5 m	
Optical Length Uniformity	± 0.15 m	
GENERAL		
Power	Li-Ion battery or USB interface	
Battery Life	1000 hours continuous operation	
Weight	0.3 kg (0.66 lb)	
Dimensions	12.9 x 6.9 x 3.1 cm (5.1 x 2.7 x 1.2 in)	
Operating Temperature	-20 °C to +60 °C, 0 to 90 % RH (non-condensing)	
Storage Temperature	-20 °C to +70 °C, 0 to 90 % RH (non-condensing)	

Notes:

a. All specifications valid at 23 °C ±2 °C (73.4 °F ±3.6 °F) unless otherwise specified.

Ordering Information

DESCRIPTION	AFL NO.
Multi-fiber Switch, 12 fibers SM, APC–SC, MPO fiber ring (non-pinned), soft case	MFS-12-SM-ASC-FR
Multi-fiber Switch, 12 fibers SM, APC–SC, soft case	MFS-12-SM-ASC
Multi-fiber Switch, 12 fibers SM, UPC–SC, soft case	MFS-12-SM-USC
Multi-fiber Switch, 12 fibers MM, UPC–SC, soft case	MFS-12-MM-USC

ROGUE MFS Certification Add-on Kits

Each ROGUE MFS (Multi-fiber Switch) Certification Add-on kit include (2) Multi-fiber Switches, (2) 6 in. USB-USB mini cables, (1) One-Click Cleaner MPO, (2) MFS carry holsters, (2) MFS kit carry cases plus test cords and mating adapters (see table below).

ADD-ON KIT	CONTAINS (ea.)				AFL NO.
	12F MFS SWITCH	TEST CORDS		MPO-MPO MATING ADAPTERS	
		SC-SC, 0.3 M.	12F MPO-MPO, 2 M.		
SM, SC/UPC-MPO/APC	(2) SM, SC/UPC-MPO/APC	(2) SM	(2) SM, type A unpinned (1) SM, type A pinned (1) SM, type A unpinned/pinned (1) SM, type B unpinned	(2) key Up / key Down	RGK-MPO-SM-CERT-ADD
MM, SC/UPC-MPO/UPC	(2) MM, SC/UPC-MPO/UPC	(2) MM	(2) OM4, type A unpinned (1) OM4, type A pinned (1) OM4, type A unpinned/pinned (1) OM4, type B unpinned	(2) key Up / key Down	RGK-MPO-MM-CERT-ADD

International Sales and Service Contact Information

Available at www.AFLglobal.com/Test/Contacts