

# MPO-24 Switch

## Features

- Integrates with AFLs FlexScan OTDRs (FS200 and FS300) to automate testing
- 24-fiber switching capability
- Dual wavelength, single-mode (1310/1550 nm)
- Powered by OTDR

## Applications

Automates OTDR testing of multi-fiber links without disconnecting/reconnecting

Fully selectable testing up to 24 fibers

Characterize MPO-terminated links with FlexScan OTDRs



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 MPO-24 Switch enables OTDR- testing of MPO-24/MTP®-terminated cables, as well as MPO-16, MPO-12 and MPO-8 terminated cables with the appropriate launch rings. The MPO-24 optical fiber switch allows users to verify some or all fibers in a multi-fiber connector in a single test, saving both time and money by automating the scanning process without the need to manually plug and unplug each fiber.

AFL's MPO-24 Switch is compatible with AFLs FlexScan FS200 and FS300 series OTDRs and can be ordered as part of a kit, or as an add-on kit for those with FS200/FS300 series OTDRs.



## FlexReporter™ Software Suite



PC Software



Mobile App

MPO-24 Switch

FlexScan® FS300

FlexScan FS200

# MPO-24 Switch

## Specifications <sup>a</sup>

Optical	
Power Meter	MPO Power Meter
Wavelength	1310/1550 nm, SM dual-wavelength
Insertion Loss	1.2 dB typ. – 1.8 dB max.
Optical Return Loss (ORL)	50 dB min.
General	
Power	Powered via USB connection to FlexScan OTDR
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 unless otherwise specified.

## Ordering Information

The MPO-24 Optical Switch has been designed for use with the FlexScan OTDR family. It can be ordered as follows:

- **Option I** - As part of a FlexScan FS300 OTDR kit using “MPO24” option in the [Kit] option below

AFL NO.	OTDR/OLS λ (nm)	PON OTDR	OLS	OPM	BT/Wi-Fi
FS300-325-[Kit]-P0-W0	850/1300 MM; 1310/1550 SM	◆			
FS300-325-[Kit]-P0-W1 <sup>(a)</sup>	850/1300 MM; 1310/1550 SM	◆			◆
FS300-325-[Kit]-P1-W0	850/1300 MM; 1310/1550 SM	◆	◆	◆	
FS300-325-[Kit]-P1-W1 <sup>(a)</sup>	850/1300 MM; 1310/1550 SM	◆	◆	◆	◆

- **Option II** - As part of a FlexScan FS200 OTDR kit using the “MPO24” option in the [Kit] option below:

AFL NO.	OTDR/Source λ (nm)	PON OTDR		OLS	OPM	BT/Wi-Fi
		Dark	Live			
FS200-100-[Kit]-P0-W0	1310/1550					
FS200-100-[Kit]-P1-W1	1310/1550			◆	◆	◆
FS200-300-[Kit]-P0-W1	1310/1550	◆				◆
FS200-300-[Kit]-P1-W1	1310/1550	◆		◆	◆	◆
FS200-303-[Kit]-P1-W0	1310/1550/1625	◆	◆	◆	◆	
FS200-303-[Kit]-P1-W1	1310/1550/1625	◆	◆	◆	◆	◆
FS200-304-[Kit]-P0-W1	1310/1550/1650	◆	◆			◆
FS200-304-[Kit]-P1-W0	1310/1550/1650	◆	◆	◆	◆	

In both cases the [Kit] Includes: FlexScan OTDR, MPO24 Switch, MPO launch cable, OTDR to-Switch launch cable, OTDR-to-Switch USB cable, FlexReports Advanced.

- **Option III** - As an add-on kit for existing FlexScan FS200 or FS300 OTDR users

AFL NO.	Contains (ea.)		
	MPO-24 Switch	Fiber Ring	MPO Fiber Ring
MPO24-SM-OTDR-ADD	MFS-12-SM-ASC, SM, SC/APC-MPO/APC pinned	MPO-24 APC pinned, SC/APC	12F, 61 m, MPO/APC-unpinned to MPO Select pinned or unpinned network MPO connector

MPO-SM-OTDR-ADD Kit includes: (1) MPO-24 optical switch, (1) single-fiber Fiber Ring to connect OTDR to the switch, (1) MPO Fiber Ring.

# MPO-24 Switch

## Recommended Products



### FlexScan® FS300 (Quad) and FS200 (SM) OTDRs

- SmartAuto® 1-button automated testing for fast results
- LinkMap® color-coded icons for easy troubleshooting
- Integrated Source, Power Meter and VFL



### One-Click® Cleaner MPO / MPO-16

- Ideal for Data Centers and high density optical networks
- Designed to work on MTP®/MPO multi-fiber connectors
- Cleans connectors on jumpers and in adapters

## Qualifications

Category	Regulation/ Standard	Qualification
CE Marking	EU	Compliant to relevant EU Directives on health, safety, and environmental protection, and certified with CE marking
Safety	EN	Compliant to EN 61326-1 for EMC requirements for electrical equipment
	EN	Compliant to EN 55011 for EMC requirements for industrial, scientific and medical equipment
RoHS	EU	Compliant to EU regulations Directive 2011/65/EU (RoHS 2) and Directive 2015/863 (RoHS 3)

Contact [Sales@AFLglobal.com](mailto:Sales@AFLglobal.com) to schedule a demonstration or learn how to buy.

Visit [www.AFLglobal.com/Test](http://www.AFLglobal.com/Test) to learn more about MPO-24 Switch.

International Sales and Service Contact Information available at [www.AFLglobal.com/Test/Contacts](http://www.AFLglobal.com/Test/Contacts).