



TEST & INSPECTION

OTDRs & Troubleshooters | Inspection & Cleaning | Optical Loss Testing | Fiber Identification | Test Management & Reporting Software

Accurate results and excellent customer service define AFL's Test and Inspection equipment

AFL's test and inspection products consistently meet and exceed customer needs. We deliver exceptional fiber optic testing equipment and outstanding service. Our ISO 9001:2008 certification and quality practices ensure you receive excellent products and documentation.

AFL products are designed to provide accurate results every time. They are engineered to endure outside plant environments, and feature intuitive user interfaces that provide quick results without complicated training requirements. Product lines include OTDRs, Inspection and Cleaning, Loss Test Kits, Fiber Identifiers, Test Management and Reporting software.

OTDRs & Troubleshooters



Fiber Inspection & Cleaning



Optical Loss Testing



Fiber Identification



Test Management & Reporting Software

FlexScan® FS300 Quad OTDR with SmartAuto® and LinkMap®

AFL's FlexScan FS300 Quad OTDR is an all-in-one solution for detecting, identifying, locating and resolving single-mode and multimode optical network issues. It is designed for both novice and expert technicians working in a range of environments from data centers to fiber-to-the-home, as well as local and wide area networks. The FlexScan FS300 automates test setup, shortens test time and simplifies results interpretation, improving efficiency and reducing costs.



FEATURES

- Multimode and Single-mode OTDR, including PON test
- SmartAuto® 1-button automated testing for fast results
- LinkMap® color-coded icons for easy troubleshooting
- Integrated source, power meter and VFL (visual fault locator)

ORDERING^{a, b}

AFL NO.	OTDR Performance			PON OTDR	OLS/ OPM	BT / Wi-Fi
	OTDR/Source λ (nm)	Dynamic Range (dB)	Dead zone EDZ/ADZ (m)			
FS300-325-[Kit]-P0-W0	850/1300 MM; 1310/1550 SM	29/29/37/36	0.8/3.5	◆		
FS300-325-[Kit]-P0-W1	850/1300 MM; 1310/1550 SM	29/29/37/36	0.8/3.5	◆		◆
FS300-325-[Kit]-P1-W0	850/1300 MM; 1310/1550 SM	29/29/37/36	0.8/3.5	◆	◆	
FS300-325-[Kit]-P1-W1	850/1300 MM; 1310/1550 SM	29/29/37/36	0.8/3.5	◆	◆	◆

a. Test results can be off-loaded via USB cable or transferred wirelessly to the FlexReporter-Cloud (W1 option) using the FlexApp (free iOS or Android) for future reports generation with FlexReports software.

b. FlexScan FS300 OTDRs are available in [KIT] configurations: Basic, Plus, PRO, BIPM, and MPO.

For details, see FlexScan FS300 product profile at www.Aflglobal.com/Test.

FlexScan® FS200 SMF OTDR with SmartAuto®, FleXpress®, and LinkMap®

Combining SmartAuto network-optimized event detection and analysis with its intuitive LinkMap view of the tested network, FS200 OTDRs enable even novice technicians to quickly and easily troubleshoot or fully characterize optical fiber networks. Have dozens of fibers to test? Reduce test time more than 10x, completing dual-wavelength OTDR tests in <5 seconds using new FleXpress fast test! For even faster testing, use FlexScan's new integrated MPO switch control to automate multi-fiber testing.



FEATURES

- Single, dual or triple wavelength single-mode OTDR
- Easy to understand LinkMap® results with Pass/Fail indications
- Integrated source, power meter, VFL (visual fault locator)

ORDERING^{a, b}

AFL NO.	OTDR Performance			PON OTDR		OLS/ OPM	BT / Wi-Fi	FleXpress & MPO Switch
	OTDR/Source λ (nm)	Dynamic Range (dB)	Dead zone EDZ/ADZ (m)	Dark	Live			
FS200-60-[KIT]-P1-W1	1650	37	0.8/3.6	◆	◆			
FS200-100-[KIT]-P1-W1	1310/1550	32/30	0.8/3.6			◆	◆	
FS200-300-[KIT]-P1-W1	1310/1550	37/35	0.8/3.5	◆		◆	◆	◆
FS200-303-[KIT]-P1-W1	1310/1550/1625	37/36/37	0.8/3.5	◆	◆	◆	◆	◆
FS200-304-[KIT]-P1-W1	1310/1550/1650	37/36/37	0.8/3.5	◆	◆	◆	◆	◆

- a. Test results can be off-loaded via USB cable or transferred wirelessly to the FlexReporter-Cloud (W1 option) using the FlexApp (free iOS or Android) for future reports generation with FlexReports software.
- b. FlexScan FS200 OTDRs are available in [KIT] configurations: Basic, Plus, PRO, FTTH-PRO, BIPM, and MPO.

For details, see FlexScan FS200 product profile at www.Aflglobal.com/Test.

FlexScan® TS100 FTTH PON Troubleshooter

AFL's FlexScan TS100 Optical Troubleshooter is an easy-to-use, all-in-one tool for detecting, identifying, locating, and resolving single-mode optical network issues. The TS100 provides auto-configured settings to quickly measure received power, link length, loss, ORL and detect events with the push of a button. Results are displayed within seconds using color-coded LinkMap® icons for easy analysis. All TS100s include an integrated Light Source, Broadband and Dual-wavelength PON Power Meter, Visual Fault Locator (VFL), USB and optional Bluetooth interfaces. The Light Source generates CW, Wave ID and fiber-identifying tones, while the Power Meter automatically detects Wave ID and tones



FEATURES

- Locate faults in <3 seconds with the press of a button
- Displays link length, loss, ORL, and Pass/Fail results
- Single-ended test reduces time and cost
- Rugged, lightweight, hand-held for field use

ORDERING^{a, b}

AFL NO.	APPLICATION	TEST λ (nm)	POWER METER
TS100-30-P3	PON: To Splitter & Point-to-Point	1625 nm filtered	PON
TS100-60-[Kit]-P2	PON to Splitter & Point-to-Point	1650 nm filtered	Broadband + PON
TS100-70-[Kit]-P2	PON through Splitter & Point-to-Point	1650 nm filtered	Broadband + PON

a. Test results can be off-loaded via USB cable or transferred wirelessly to the FlexReporter-Cloud using the FlexApp (free iOS or Android) for future reports generation with FlexReports software.

b. FlexScan TS100 Optical Troubleshooters are available in [KIT] configurations: Basic, Plus, PRO.

For details, see FlexScan TS100 product profile at www.Aflglobal.com/Test.

Multi-fiber Switch



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 AFL's 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.

AFL's **Multi-Fiber Switch (MFS)** enables the testing of 12-fiber cables without the need to use a breakout cable. The switch allows users 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. MFS Switch is compatible with your existing FlexScan FS300/FS200 OTDRs.

Single-mode MPO-24 Switch and multimode Multi-Fiber Switch (MFS) are available to accelerate OTDR testing of MPO-connectorized, multi-fiber cables.

ORDERING

AFL NO.	DESCRIPTION
MPO24-SM-OTDR-ADD	MPO-24 APC pinned, SC/APC
MPO-MM-OTDR-ADD	MFS-12-MM-USC, MM, SC/UPC-MPO/UPC pinned

FOCIS Flex Fiber Optic Connector Inspection System

With the press of a single button, FOCIS Flex auto-focuses, captures and centers the end-face image, applies Pass/Fail rules, displays image and Pass/Fail results, saves results internally and/or wirelessly transfers data to a paired FlexScan OTDR or a smart device. It is fast, small, and easy to use to enable 100% connector inspection. Free FlexApp (iOS and Android) supports inspection reporting and FlexReports PC software provides comprehensive reporting capabilities for MPO end-face, individual fiber and single-fiber inspection results. FOCIS Flex is available in a 'No Wireless' [NW] variant, which removes the Bluetooth and Wi-Fi functionality for use in RF restricted facilities.



ORDERING^{a, b}

AFL NO.	DESCRIPTION
FOCIS-FLX-P4XN	FOCIS Flex, no tips
FOCIS-FLX-P4XU	FOCIS Flex, UPC bulkhead and UPC ferrule tips (1 ea), One-Click Cleaner
FOCIS-FLX-P4XA	FOCIS Flex, APC bulkhead and APC ferrule tips (1 ea), One-Click Cleaner
FOCIS-FLX-P4XUA	FOCIS Flex, UPC & APC bulkhead and UPC & APC ferrule tips (1 ea), One-Click Cleaner
FOCIS-FLX-NW-P4XN	FOCIS Flex, no tips, no BT or Wi-Fi wireless functionality
FOCIS-FLX-NW-P4XU	FOCIS Flex, UPC bulkhead and UPC ferrule tips (1 ea), One-Click cleaner, no BT or Wi-Fi
FOCIS-FLX-NW-P4XA	FOCIS Flex, APC bulkhead and APC ferrule tips (1 ea), One-Click cleaner, no BT or Wi-Fi

a. Each FOCIS Flex Kit includes: FOCIS Flex probe with wrist strap and dust cap, FlexReports Basic software with a 60-day Advanced trial that includes full reporting, AC charger with country-specific plug, USB cable, quick reference guide, and soft carry case with strap.

b. Free FlexApp is available from 'iOS App Store' or 'Google play' store.

For details, see FOCIS Flex product profile at www.Aflglobal.com/Test.

FOCIS Lightning®2 Multi-Fiber Optic Connector Inspection System

FOCIS Lightning2 is a compact, ultrafast MPO/MTP® connector inspection system engineered to dramatically simplify and streamline connector inspection. FOCIS Lightning2 captures up/down key orientation, and supports all fiber configurations up to two rows with sixteen fibers per row. Individual fiber images, pass/fail auto analysis overlays, and zone table data are available for viewing on the large integrated color touch screen. Free FlexApp (iOS and Android) supports inspection reporting and FlexReports Basic Test Results Manager software with 60-day reports trial or optional FlexReports Advanced with full reporting capability provides comprehensive reporting capabilities for MPO end-face, individual fiber and single-fiber inspection results.

FlexReporter™ Software Suite

AFL Flex Reports

AFL FlexApp

PC Software

Mobile App

FlexScan OTDR

FOCIS Lightning2

ORDERING^a

AFL NO.	CONTAINS (ea.)								
	BULKHEAD ADAPTER TIPS					ALIGNMENT SLEEVES		ONE-CLICK CLEANER	
	UPC MPO		APC MPO		SFA				
	M12U	MPOU	M12A	MPOA		MPO-12	MPO-16	MPO-12	MPO-16
FOCIS-LT2-N									
FOCIS-LT2-U	1	1				1	1	1	1
FOCIS-LT2-A			1			1		1	
FOCIS-LT2-UA	1	1	1			1	1	1	1
FOCIS-LT2-UASF		1		1	1	1	1	1	1

- a. Each FOCIS Lightning2 Kit includes: FOCIS Lightning probe with wrist strap and dust cap, USB data/power cable and charger with country-specific plug, quick reference guide, FlexReports Basic software with a 60-day Advanced trial that includes full reporting, and Easy Access carry case.

For details, see FOCIS Lightning2 product profile at www.Aflglobal.com/Test.

Fiber Optic Cleaning Solutions

AFL fiber optic cleaning products enable network technicians and other staff to safely and effectively clean fiber optic connectors, dramatically decreasing network outage and downtime. For details, see our “Fiber Optic Cleaning and Inspection” catalog or visit www.AFLglobal.com.



ORDERING

AFL NO.	DESCRIPTION
8500-05-0001MZ	One-Click Cleaner SC, ST, FC (500+ cleans)
8500-05-0002MZ	One-Click Cleaner MU/LC (500+ cleans)
8500-05-0004MZ	One-Click Cleaner ODC (outdoor connector)
8500-05-0005MZ	One-Click Cleaner Mini-100 SC, ST, FC (100+ cleans)
8500-05-0006MZ	One-Click Cleaner Mini-100 MU/LC (100+ cleans)
8500-05-0007MZ	One-Click Cleaner Ultra 2.5 SC, ST, FC (enlarged cleaning)
8500-05-0008MZ	One-Click Cleaner D-LC, Duplex LC (500+ cleans X2)
8500-05-0009MZ	One-Click Cleaner Mini-500 SC, ST, FC (500 cleans)
8500-05-0010MZ	One-Click Cleaner Mini-500 MU/LC (500 cleans)
8500-05-0021MZ	One-Click Cleaner SC, ST, FC (box of 5 units)
8500-05-0022MZ	One-Click Cleaner MU/LC (box of 5 units)
8500-05-0025MZ	One-Click Cleaner Mini-100 SC, ST, FC (box of 5 units)
8500-05-0026MZ	One-Click Cleaner Mini-100 MU/LC (box of 5 units)
8500-05-0027MZ	One-Click Cleaner Ultra 2.5 SC, ST, FC (box of 5 units)
8500-05-0030MZ	One-Click Cleaner MPO (500 cleans)
8500-10-0016MZ	Cletop –SB with White Tape
8500-10-0017MZ	Replacement Tape Type S - White

FlowScout® MPO OLTS Test Set

AFL’s FlowScout MPO OLTS is the industry’s first true 16-fiber Tier I OLTS tester that supports testing of all multi-fiber AND duplex connectors, enabling much faster test time. The FlowScout MPO OLTS test set provides significant time savings cutting testing phase in half. It streamlines the workflow with fewer steps and enables 16-fiber testing in just 6 seconds per port in a single pass.

The test set design is based on a precise and extremely accurate testing technology to ensure correct verification and validation of links. A simple to navigate icon-based user interface allows technicians to quickly set-up, test, validate, and document fiber networks. The FlowScout MPO OLTS measures and automatically evaluates pass/fail loss against industry or user-set limits. The large color touchscreen displays detected power levels with color-coded pass/fail indications.



ORDERING

Each FlowScout MPO OLTS Kit includes: OLS and OPM testers with multi-fiber and single fiber ports with dust caps, FlexReports-Advanced software, AC charger with country-specific plug, USB cable, and soft carry case with strap.

AFL NO.	FLOWSCOUT MPO OLTS TIER 1 CERTIFICATION KIT INCLUDES									
	OPM/OLS TESTERS	SET OF TEST CORDS AND ADAPTERS				CLEANERS				
		LC	MMC-16	MPO-8/-12	MPO-16	LC	SC	MMC-16	MPO-8/-12	MPO-16
MFLT-MMC-16	◆	◆	◆			◆	◆	◆		◆
MFLT-MPO-12	◆	◆		◆		◆	◆		◆	◆
MFLT-MPO-16	◆	◆			◆	◆	◆			◆

For details, see FlowScout MPO OLTS product profile at www.Aflglobal.com/Test.

FlowScout® SE100 Single-Ended Test Set

US Patent Pending

AFL's FlowScout SE100 is designed to verify fiber continuity and measure insertion loss to the end of fibers terminated with AFL's 1430 nm Wavelength Optical Reflectors. When a reflector is detected, the FlowScout SE100 immediately reports its presence (confirming continuity to the reflector) and measures insertion loss to the reflector at 1430 nm wavelength. The reflector is near-transparent to PON and other wavelengths, allowing it to remain installed during network operation.



FEATURES

- Verifies fiber continuity and insertion loss at 1430 nm from a single end
- Excess reflection (low ORL) detection at 1550 nm
- Live fiber detection and reporting
- Built-in optical continuous wave (CW) reflectometer
- Combines light source and power meter into a single unit

APPLICATIONS

Used to verify:

- FTTH continuity and insertion loss during service activation or troubleshooting
- FTTA continuity and insertion loss between Distribution Unit (DU) and Radio Unit (RU)
- Fiber backhaul continuity and insertion loss to demarcation point

ORDERING

AFL NO.	DESCRIPTION
SE100-00-0901PR	FlowScout SE100 Single-Ended Test Set
8700-03-1430MZ	1430 nm Wavelength Optical Reflector, SC/APC, female-to-male, plug type

For details, see FlowScout SE100 product profile and 1430 nm Wavelength Optical Reflector at www.Aflglobal.com/Test.

FlowScout® Downstream PON Power Meter (DPPM)

AFL's FlowScout DPPM is a Downstream PON Power Meter designed to automatically detect and simultaneously measure coexistent downstream PON power levels at 1490 nm GPON/EPON and either 1550 nm RF video or 1577 nm XG/XGS/10GEPON.



FEATURES

- Measures coexistent downstream PON power levels
- GPON/EPON and RF Video or XG/XGS/10GEPON
- Single port for PON and broadband wavelengths
- Evaluates pass/fail against ITU or user-set limits
- Internal storage for 4000 test results
- Reporting with AFL's FlexReporter™ software suite
- Field-replaceable connector adapters

APPLICATIONS

- Verify power levels during PON activation or troubleshooting
- Measure insertion loss to FTTH PON subscriber
- Perform automatic multi-wavelengths loss measurements
- Detect fiber-identifying tones

ORDERING

AFL NO.	DESCRIPTION
DPPM-100-0902PR	Includes: DPPM Downstream PON Power Meter, SC/APC connector adapter, AC charger, quick reference guide, and soft carry case

For details, see FlowScout Downstream PON Power Meter product profile at www.Aflglobal.com/Test.

FlowScout® Through-Mode PON Power Meter

US Patent 9,602,200 and US Patent 10,771,153

FlowScout PON optical power meter identifies, measures, and qualifies both downstream and upstream signal levels in FTTx PON networks. It is perfect for technicians responsible for activating and maintaining networks carrying a mix of GPON/EPON, video, and next gen PON (XG/XGS-PON, 10GEPON) wavelengths. FlowScout requires no setup! Technicians simply plug in the fiber under test to see results displayed in seconds on the large color touchscreen. Storage and reporting options are included to verify and document results from the field. FlowScout's rugged design makes it perfect for outside plant environments where it can be dropped, get dirty or even wet.



FlowScout
PON Optical Power Meter

FEATURES

- Detects multiple wavelengths automatically - NO setup required!
- Detects GPON, XGS-PON, and Video signals all at once
- Rugged and water resistant, IP54 rating
- Field-swappable connector adapters

APPLICATIONS

- Detects and measures PON upstream and downstream signals
- PON network activation
- BPON, EPON, GPON, 10G-EPON, XG-PON, XGS-PON, Video network verification and troubleshooting
- Evaluate PON power level Pass/Fail based on limits

ORDERING

AFL NO.	DESCRIPTION
TPPM-XG	FlowScout PON Power Meter XGPON/XGSPON

For details, see FlowScout Through-Mode PON Power Meter product profile at www.Aflglobal.com/Test.

FlowScout® OPM8 Optical Power Meters

The FlowScout OPM8 optical power meter represents the next generation of smart optical power meters. Designed on the legacy of AFL/Noyes OPMs, the FlowScout OPM8 provides rapid loss testing with pass/fail results for use in enterprise LAN, data center, PON, and broadband networks. With a simple to use interface based on a color touchscreen, fiber technicians can quickly set-up, test, validate, and document installed fiber plant, as well as provide power measurements.



FEATURES

- Large color touchscreen with icon-driven interface
- Rapid pass/fail analysis based on user-set limits
- Wave ID for accuracy and reduced test time
- Internal test results storage
- Reports generation using AFL's FlexReporter™

APPLICATIONS

- Enterprise LAN and Data Center fiber networks
- FTTH PON networks
- High power broadband network testing
- Multimode and single-mode fiber networks

ORDERING

AFL NO.	DESCRIPTION
OPM8-SP3-BAS	FlowScout OPM8-L Basic Kit. Includes: FlowScout OPM8-L power meter, AC charger and power cable, user guide, FlexReports Basic software with 60-day Advanced software trial and soft carry case.
OPM8-SP4-BAS	FlowScout OPM8-H Basic Kit. Includes: FlowScout OPM8-H power meter, AC charger and power cable, user guide, FlexReports Basic software with 60-day Advanced software trial and soft carry case.
OPM8-SP3-PLUS	FlowScout OPM8-L Advanced Kit. Includes: FlowScout OPM8-L power meter, AC charger and power cable, user guide, FlexReports Advanced software and soft carry case.
OPM8-SP4-PLUS	FlowScout OPM8-H Advanced Kit. Includes: FlowScout OPM8-H power meter, AC charger and power cable, user guide, FlexReports Advanced software trial and soft carry case.

For details, see FlowScout OPM8 product profile at www.Aflglobal.com/Test.

FlowScout® OLS8 Optical Light Sources

AFL's FlowScout OLS8 optical light source represents the next generation of smart optical light sources. Built on the legacy of AFL/Noyes OLS series optical light sources, the FlowScout OLS8 provides a stable and accurate light source for use in enterprise LAN, data center, PON, and broadband networks.



FEATURES

- Large color touchscreen with icon-driven interface
- Wave ID for reduced test time and user errors
- Field-replaceable connector adapters
- AFL's FlexReporter™ integration (via OPM8)

APPLICATIONS

- Enterprise LAN and Data Center fiber networks
- FTTH PON networks
- High power broadband and DWDM systems testing
- Multimode and single-mode fiber networks

ORDERING

AFL NO.	DESCRIPTION
OLS8-SL2-BAS	FlowScout OLS8-SM DUAL (1310/1550 nm) Basic Kit. Includes: FlowScout OLS8-SM DUAL light source, AC charger and power cable, quick reference guide, and soft carry case.
OLS8-SL4-BAS	FlowScout OLS8-QUAD (850/1300/1310/1550 nm) Basic Kit. Includes: FlowScout OLS8-QUAD light source, AC charger and power cable, quick reference guide, and soft carry case.
OLS8-SL7-BAS	FlowScout OLS8-SM XGS (1310/1490/1550 nm) Basic Kit. Includes FlowScout OLS8-SM XGS light source, AC charger and power cable, quick reference guide, and soft carry case.

For details, see FlowScout OLS8 product profile at www.Aflglobal.com/Test.

FlowScout® OLS8 and OPM8 Optical Loss Test Kits

AFL's FlowScout Optical Loss Test Kits include the OPM8 optical power meter and FlowScout OLS8 optical light source. These next generation smart optical power meters and optical light sources are designed on the legacy of the AFL/Noyes OPM and OLS series. These inclusive kits provide rapid loss testing with pass/fail results for use in enterprise LAN, data center, PON, and broadband networks.



ORDERING

AFL NO.	POWER METER	LIGHT SOURCE	FIBER TYPE	LOSS MEASUREMENTS (nm)					DYNAMIC RANGE (dB)
				850	1300	1310	1490	1550	
SLP8-02-[KIT]	OPM8-L	OLS8-SM Dual	SM			◆		◆	69 ^(b)
SLP8-07-[KIT]	OPM8-H	OLS8-SM XGS	SM			◆	◆	◆	49 ^(b)
SMLP8-04-[KIT]	OPM8-L	OLS8-QUAD	MM SM	◆	◆	◆		◆	40 @ 850/1300 nm ^(a) 69 @ 1310/1550 nm ^(b)

FlowScout OPM8 and OLS8 Kit Configuration - [KIT]

[KIT]	OPM8 KIT CONFIGURATION / KIT CONTENTS
BAS ^(c)	Includes: OPM8, OLS8, soft case, FlexReports Basic software with 60-day FlexReports Power software trial, USB cable
PLUS	Includes: BAS Kit plus upgrade to FlexReports Power

Notes:

- On 50/125 μ m multimode fiber.
- On 9/125 μ m singlemode fiber.
- Test results can be off-loaded via USB cable to FlexReports Basic, which provides result viewing and a 60-day trail of the FlexReports Power license. User can opt to upgrade FlexReports Basic to FlexReports Power after purchase. FlexReports Power provides professional reports generation for AFL power meters.

For details, see FlowScout OPM8 and OLS8 product profile at www.Aflglobal.com/Test.

Optical Power Meters

AFL offers a full range of optical power meters to support FTTx deployments, fiber network testing and certification, and basic power measurements. Backed by industry leading 5-year product warranties, these are the quality products you can trust.



ORDERING

AFL NO.	CALIBRATED WAVELENGTHS (nm)	DETECTOR TYPE	MEASUREMENT RANGE (dBm)	WAVE ID	tone ^a	REF. SET	DATA SAVE	PC S/W
OPM4-2D	850, 1300, 1310, 1490, 1550	Germanium	+6 to -60	◆	◆	◆		
OPM4-3D	850, 1300, 1310, 1490, 1550, 1625	InGaAs	+10 to -75	◆	◆	◆		
OPM4-4D	850, 980, 1300, 1310, 1490, 1550, 1625	InGaAs	+26 to -50	◆	◆	◆		
OPM5-3D	850, 1300, 1310, 1490, 1550, 1625	InGaAs	+10 to -75	◆	◆	◆	◆	◆
OPM5-4D	850, 980, 1300, 1310, 1490, 1550, 1625	InGaAs	+26 to -50	◆	◆	◆	◆	◆
CSM1-3	850, 1300, 1310, 1490, 1550, 1625	InGaAs	+6 to -70		◆	◆		
CSM1-4	850, 980, 1310, 1490, 1550, 1625	InGaAs	+26 to -50		◆	◆		

a. 270 Hz, 330 Hz, 1 kHz, and 2 kHz Tone detection

LED and Laser Light Sources

AFL offers a full range of light sources for testing single-mode and/or multimode fiber networks. Sources with Wave ID transmit two or more wavelengths simultaneously decreasing test time and reducing user errors when used with AFL Wave ID power meters.



OLS4 Integrated LED/Laser Source

Encircled Flux (EF) Compliant Light Sources

- Standard multimode light source used with AFL Encircled Flux Mode Controller (ordered separately)
- Order EF mode conditioner with part number 8700-06-000#MR to select different connector type.

ORDERING

AFL NO.	WAVELENGTHS (nm)	OUTPUT PORTS	EMITTER TYPE	OUTPUT POWER	STABILITY	WAVE ID	TONE OUTPUT
OLS1-DUAL	850, 1300	(1): MM	LED	-20 dBm	± 0.1 dB/8 hrs		N/A
OLS2-DUAL	1310, 1550	(1): SM	Laser	0 dBm	± 0.05 dB/1 hr	◆	270, 330 Hz, 1, 2 kHz
CSS1-MM	850, 1300	(1): MM	LED	-20 dBm	± 0.1 dB/1 hr		N/A
CSS1-SM	1310, 1550	(1): SM	Laser	0 dBm	± 0.05 dB/1 hr		270, 330 Hz, 1, 2 kHz

Optical Loss Test Kits

AFL offers a variety of light sources and power meters combined into single-mode (SLP) and single-mode/multimode (SMLP) test kits. Sources with Wave ID transmit two or more wavelengths simultaneously decreasing test time and reducing user errors when used with Wave ID power meter. Kits include in-unit storage of test results and TRM® 2.0 reporting software, which enables technicians to organize test data, apply test rules for Pass/Fail analysis, and build custom test reports using industry accepted templates.



ORDERING

AFL NO.	FIBER TYPE	LOSS MEASUREMENTS (nm)	DYNAMIC RANGE (dB)	SET REF.	AUTO DUAL λ TEST	PC S/W	METER	SOURCE
SLP5-6	SM	1310, 1550	70 ^b	◆	◆	◆	OPM5-3D	OLS2-DUAL
CKM-3	MM	850, 1300	40 ^a	◆			CSM1-3	CSS1-MM
CKS-3	SM	1310, 1550	70 @1310/1550 nm	◆			CSM1-3	CSS1-SM
CKSM-2	MM, SM	850, 1300 1310, 1550	40 @850/1300 nm ^a 60 @1310/1550 nm ^b				CSM1-3	CSS1-MM CSS1-SM

Notes:

a. On 62.5/125 μ m multimode fiber.

b. On 9/125 μ m single-mode fiber.

MFIS Multi-Fiber Identification System

MFIS Multi-Fiber Identification System is an award-winning, innovative product family to help users verify network construction quickly, accurately and efficiently. MFIS provides 100% multi-fiber network continuity assurance and senior management peace-of-mind.



FEATURES

- Easy to use
- Powered by common batteries
- One-hand operation
- Hand-held and lightweight
- Three-year calibration interval

APPLICATIONS

- Multi-fiber network continuity assurance
- Various fan-out connectors for easy application
- Optimized for use on 250 μ m, 900 μ m, & ribbon fiber
- Fiber identification on both Power Meter and MFI
- Multi-fiber network for FTTx deployment

ORDERING

AFL NO.	DESCRIPTION
MF11-00-0900MR	Multi-Fiber Identifier, no case
MFP1-12-0900MR	Multi-Fiber Power Meter, no case
MFTI-12-BAS	Multi-Fiber Tracer & Identifier with soft case
MFTP1-12-BAS	Multi-Fiber Tracer & Power Meter with soft case
MFTIP1-12-BAS	Multi-Fiber Tracer, Identifier, and Power Meter with soft case
ACCESSORIES	
8700-00-0198MR	Cable, MPO/APC(M)-SC/APC, 12-fiber, SM, fan-out, 3 meters
8700-00-0200MR	Cable, MPO/APC (M) - SC/UPC, 12-fiber, SM, fan-out, 3 meters
8700-00-0201MR	Cable, MPO/APC (M) - LC/UPC, 12-fiber, SM, fan-out, 3 meters
8500-05-0005MZ	One-Click Cleaner Mini-100 SC, ST, FC (100+ cleans)
8500-05-0006MZ	One-Click Mini-100 MU/LC (100+ cleans)
8500-05-0030MZ	One-Click Cleaner MPO (500+ cleans)

Visual Fault Identifier

Visual Fault Identifiers (VFI) use powerful red lasers to trace and troubleshoot single-mode or multimode optical fiber links. VFI is an ideal tool for locating a large number of defects that occur at connection points in and around fiber cabinets which are hidden in an OTDR's "blind-spot" or dead-zone. AFL offers VFI units for both single-ferrule and multi-ferrule connector styles.



VFI4

VFI4-L



MT Tracer

VFI4 and VFI4-Low VISUAL FAULT IDENTIFIERS

- Identify sharp bends or breaks in fibers
- Identify poorly mated connectors
- Verify AFL's FASTConnect® connector installation
- Identify and trace fibers during activation and installation

MT TRACER

- Essential tool for ribbon cable testing
- Multi-fiber VFI with 12 separately controlled lasers
- Verify connectivity of a 12-fiber ribbon cable
- Confirm polarity in seconds

SPECIFICATIONS

PRODUCT	WAVELENGTH	OUTPUT POWER	EMITTER	CONNECTOR	POWER
VFI4	650 nm	5 mW, 2 Hz, CW	Laser ^a	Universal 2.5 mm	(1) AA
VFI4-L	650 nm	1 mW, 2 Hz, CW	Laser ^b	Universal 2.5 mm; Optional 1.25 mm	(1) AA
MT Tracer	650 nm	1 mW, 2 Hz or CW	Laser	MTP®	(2) AA

a. Safety: Class IIIa FDA 21 CFR 1040.10 and 1040.11, Class 3R IEC 60825-1:2007-03.

b. Safety: Class II FDA 21 CFR 1040.10 and 1040.11, Class 2 IEC 60825-1:2007-03.

ORDERING

AFL NO.	PRODUCT	DESCRIPTION
VFI4-01-0900PR	VFI4	VFI4 with 2.5 mm and 1.25 mm adapters
VFI4-02-0900PR	VFI4-L	VFI4 with 2.5 adapter
TRCR-90-0900	MT Tracer	MT Tracer Kit: MT Tracer Source, MT Tracer Display, and carry case

Optical Fiber Identifiers

**5-YEAR
WARRANTY**



OFI-200 and OFI-400x Models



OFI-BIPM and OFI-BIPMe

OFI-200 - Optical Fiber Identifier: Detects optical signals sent through single-mode fiber without disrupting traffic, differentiates traffic from 2 kHz tones, indicates traffic direction.

OFI-400 - Enhanced OFI: Adds LCD display of power. Designed for use with a wide range of single-mode fibers including 250 μ m (bare) coated, 900 μ m buffered and ribbon fibers or 2 mm and 3 mm jacketed fibers.

OFI-400C - Optimized for Jacketed Fiber: Functionally equivalent to the OFI-400 but designed specifically for use with 2 mm or 3 mm jacketed single-mode fibers.

OFI-400HP - High Power Applications: Designed for use where high levels of optical power are present. When display reaches +23 dBm (200 mW) or greater, the OFI-400HP displays "High" warning indication.

AFL NO.	FIBER COATING TYPE	INSERTION LOSS (dB)		TONE (Hz)	POWER
		@1310 (nm)	@1550 (nm)		
OFI-200D	250 & 900 μ m, ribbon, 2 & 3 mm jacketed	0.6	2.5	2 kHz	9V
OFI-400C	2 & 3 mm jacketed	1.0	2.8	270, 330 Hz; 1, 2 kHz	(2) AAA
OFI-400	250 & 900 μ m, ribbon, 2 or 3 mm jacketed	0.6	2.5	270, 330 Hz; 1, 2 kHz	(2) AAA
OFI-400HP	2 & 3 mm jacketed	0.2 - 0.5	0.8 - 1.3	270, 330 Hz; 1, 2 kHz	(2) AAA

Only available to customers in North and Central America, Caribbean, China, Vietnam and Malaysia!

OFI-BIPM/-BIPMe: Full featured OFI includes a touch screen, positive stop trigger, an integrated optical power meter, and several easy to select options. The OFI-BIPM/-BIPMe can be used with any SM fiber including bend insensitive fiber, bare fibers, ribbons and up to 3 mm jackets and most MM fibers.

AFL NO.	FIBER COATING TYPE	DETECTABLE SIGNALS	POWER
OFI-BIPM	MM fiber, 0.25 mm SM and SM ribbon fiber (up to 12 ribbon)	CW, Traffic or 270 Hz/1 kHz/2 kHz	(2) AA
OFI-BIPMe	1.1 /1.5 /1.7 /2.0 /3.0 mm SM jacketed fiber	CW, Traffic or 270Hz/330Hz/1kHz/2kHz	

FlexReporter™ Software Suite



FlexReporter Software Suite is a cloud-based reporting platform that provides tools for wireless test data transfer and cloud-enabled reporting for AFL test and inspection products. FlexReporter combines FlexApp – a mobile App that wirelessly transfer test results to FlexReporter-Cloud and cloud-based, extremely fast reports generator - FlexReports PC software.

FlexReports is available in Basic and Advanced versions. FlexReports Basic enables users to quickly view and analyze results. It provides for simple single fiber OTDR and OLTS reports and includes a 60-day Advanced trial that includes full reporting and OTDR Trace Batch Editing. FlexReports Advanced is a full featured reporting and post processing solution for generation of professional reports using industry standards. It supports AFL FlexScan OTDRs, FOCIS connector inspection products, OPM and OLTS products.

FlexApp is a mobile Android and iOS App that supports AFL's FlexScan OTDRs and FOCIS connector inspection products (FOCIS Flex, FOCIS Lightning). FlexApp wirelessly transfers test results from any FlexScan OTDR or FOCIS inspection probe directly to FlexReporter-Cloud for analysis, editing, and reports generation with FlexReports Windows®-compatible PC software.

ORDERING

AFL NO.	DESCRIPTION
RPTS-AD-USB-1	FlexReports Advanced, one seat license on USB
RPTS-UP-TRM3-1	FlexReports Advanced, one seat, Upgrade from TRM® 3 Advanced on USB. Users must have TRM-3 Advanced license
FlexReports Basic	FlexReports Basic, available for download on AFL Software Resources website
FlexApp	FlexApp data transfer mobile App, available on Google Play and Apple App Store



AFL



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