TEST & INSPECTION

OTDRs & Troubleshooters **|** Fiber Inspection & Cleaning **|** Optical Loss Testing **|** Fiber Identification

INTERNATIONAL SALES AND SERVICE CONTACT INFORMATION

International Contacts

Europe, Middle East, Africa
Christian Kraemer
Sales Director
Christian.Kraemer@AFLglobal.com
+49 151 6171 6838

Europe, Africa
Ané Nel
Regional Sales Manager
Ane.Nel@AFLglobal.com
+44 79082 70007

Middle East
Ahmed El Sakaty
Regional Sales Manager
Ahmed.ElSakaty@AFLglobal.com
+20 1006 451 523

Australia
Daniel Rose
Sales Manager
Daniel.Rose@AFLglobal.com
+61 0416 652 742

New Zealand
Henk Schoeman
Country Manager
Henk.Schoeman@AFLglobal.com
+64 9 927 7140
Cell: +621 0289 8548

APAC
Alex Wong
Regional Sales Manager
Alex.Wong@AFLglobal.com
(65) 6370 2236
Cell: (65) 9233 6541

Mexico, Central America, Caribbean
Joseph Kennedy
Joseph.Kennedy@AFLglobal.com
(864) 486-7001
Cell: (864) 641-5920

Commercial Support

Donald Allard
Commercial Manager
Donald.Allard@AFLglobal.com
+1 (603) 783-7175
Cell: +1 (603) 520-2454

Technical Support

AFLtesttechsupport@AFLglobal.com
+1 (800) 321-5298
+1 (603) 528-7780

Sales Support

https://www.AFLglobal.com/Contact/AFL-Sales-Team.aspx
Sales@AFLglobal.com

Purchase Orders, Quote, RMA SPBCustomerPO@AFLglobal.com

Service Request AFLEquipmentService@AFLglobal.com

AFL Test & Inspection web www.AFLglobal.com/Test

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TABLE OF CONTENTS

TABLE OF CONTENTS

RELEASE HIGHLIGHTS

NEW

VFI4 Visual Fault Identifier - coming February 2021!

AFL's compact VFI4 injects high-powered red-laser light to provide exceptional brightness and range for locating defects in single-mode and multimode fibers.

During installation and activation, the VFI4 is used for quick continuity checks, fiber tracing, splice verification, and Pass/Fail validation for mechanical connectors.

The VFI4 is also an essential troubleshooting tool to find sharp bends, breaks, faulty connectors, and other defects that "leak" light - enabling technicians to quickly spot them.

See "VFI4 Visual Fault Identifier - coming February 2021!" on page 55.

NEW

FlexScan® TS100 Optical Troubleshooter

The new FlexScan TS100 is designed to empower field technicians activating and maintaining Point-to-Point and/or FTTH GPON/XGS-PON broadband access networks to quickly detect, identify, locate, and resolve any issues. The TS100 is very easy to use, rugged, provides results in seconds, and requires minimal training and no OTDR experience. FlexScan TS100 automates testing, shortens test time, interprets results, and recommends corrective actions, improving efficiency of frontline technicians and reducing costs.

NEW

AFL FlexScan App

Google play

App Store

FlexScan TS100 supports Bluetooth transfer of results via iOS or Android FlexScan App for remote reporting using TRM® 3.0.

The FlexScan App is available as a free download from 'iOS App Store' or 'Google play' store.

See section "TS100 FTTH PON Troubleshooter" on page 14.

OTDRs & TROUBLESHOOTERS

OTDRs and Troubleshooters Selection Guide

FlexScan® FS300

FlexScan® FS200

FlexScan® TS100

Column groups: **Point-to-Point Networks/Fiber Type** — MMF/SMF (Data Center, LAN), SMF (Core, Metro, Access, Dark, Live) · **FTTx PON** SMF (Test To Splitter, Test Through Splitter) · **OTDR/Troubleshooter Performance** · **Integrated Peripherals** · **Reporting**

Model	Data Center	LAN	Core	Metro	Access	Dark	Live	Test To Splitter	Test Through Splitter	Wavelengths (nm)	Dynamic Range (dB)	Dead zone EDZ/ADZ (m)	SmartAuto®	Expert & Real-time	LinkMap®	FleXpress®	Trace View	MPO Switch Control	OLS	Broadband OPM	Dual-λ PON OPM	VFL	TRM® 3.0	iOS & Android FlexScan App	Inspection
FlexScan FS300 Quad OTDR																									
FS300-325	◆	◆	◆	◆	◆	◆		◆	◆	850/1300/1310/1550	29/29/37/36	0.5/3.5	◆	◆	◆				◆	◆	◆	◆	◆	◆	◆
FlexScan FS200 SM OTDR																									
FS200-50B			◆	◆						1550	28	1.0/6.0	◆	◆	◆				◆	◆	◆	◆	◆	◆	◆
FS200-60			◆	◆	◆	◆		◆		1650	37	0.8/3.6	◆	◆	◆				◆	◆	◆	◆	◆	◆	◆
FS200-100			◆	◆						1310/1550	32/30	0.8/3.6	◆	◆	◆				◆	◆	◆	◆	◆	◆	◆
FS200-300			◆	◆	◆	◆		◆	◆	1310/1550	37/36	0.8/3.5	◆	◆	◆				◆	◆	◆	◆	◆	◆	◆
FS200-303			◆	◆	◆	◆	◆	◆	◆	1310/1550/1625	37/36/37	0.8/3.5	◆	◆	◆	◆			◆	◆	◆	◆	◆	◆	◆
FS200-304			◆	◆	◆	◆	◆	◆	◆	1310/1550/1650	37/36/37	0.8/3.5	◆	◆	◆	◆			◆	◆	◆	◆	◆	◆	◆
FlexScan TS100 Troubleshooter																									
TS100-60			◆	◆	◆		◆			1650	Note 'a'	Note 'b'	◆		◆	◆			◆	P1 [c]	P2 [d]	◆	◆	◆	◆
TS100-70			◆	◆	◆	◆	◆			1650	Note 'a'	Note 'b'	◆		◆	◆			◆	P1 [c]	P2 [d]	◆	◆	◆	◆

Notes

a. See TS100 data sheet for measurement range specifications.
b. See TS100 data sheet for event detection specifications.
c. P1 = Broadband Power Meter option for TS100.
d. P2 = Dual-wavelength + Broadband PON Power Meter option for TS100.

FlexScan FS300 Quad OTDR

Easily Locate and Resolve Optical Network Faults

Award-winning all-in-one solution that automates test setup, shortens test time and simplifies results interpretation.

Specifications

- Wavelengths: MM 850/1300, SM 1310/1550
- Network Type: Point-to-Point and PON up to 1:64
- Dynamic Range: MM ≥29/29 dB, SM ≥37/36 dB
- Event Dead Zone: ≤0.8 m
- Range Settings: MM 250 m to 30 km, SM 250 m to 240 km
- Data Points: Up to 300,000
- Internal Storage: 4 GB (≥1,000 traces)

The FlexScan FS300 OTDR enables both expert and novice technicians to quickly and accurately locate, identify and measure components and faults on either single-mode or multimode optical networks.

The pocket-sized FlexScan FS300 includes an integrated optical light source, power meter and visual fault locater (VFL). It can be easily coupled with AFL's award-winning FOCIS inspection probes or optical fiber identifiers (OFI) to give technicians everything they need to locate and resolve any optical network issues.

FlexScan SmartAuto tests utilize multi-pulse acquisition to obtain high-resolution without sacrificing measurement range. Test results are clearly displayed on the large 5-inch touchscreen with color-coded LinkMap® icons providing network configuration and pass/fail status at a glance.

Professional reports can be generated using either integrated Print-to-PDF or the included Windows-compatible TRM® 3.0 Test Results Manager software. Results can be transferred from FlexScan by USB cable or wirelessly using the free FlexScan App.

Contact sales@AFLglobal.com

FLEXSCAN® OTDRS

FS300 Quad OTDR with SmartAuto® and LinkMap®

All the benefits of FlexScan **PLUS…**

- Quad OTDR (850/1300 multimode and 1310/1550 single-mode, including FTTH PON test)
- Larger, higher resolution display (5", 800 x 480)
- Gesture-recognition touchscreen (swipe-to-pan, pinch-to-zoom)
- Integrated Print-to-PDF
- Auto-save and auto-send
- User-replaceable, longer life battery

FlexScan FS300 models are available in six kit configurations: Basic, PLUS, PRO, BIPM, SMPO, and MMPO.

- All kits include FS300 with AC charger, battery, carry strap, SC/2.5 mm connector adapters, TRM® 3.0, quick reference user guide, and carry case
- PLUS kits add 150 m Fiber Rings and One-Click Cleaner
- PRO kits additionally include a FOCIS Flex auto-focusing connector inspection probe with IEC pass/fail analysis and two adapter tips
- BIPM kits expand on PRO Kits by adding a bend-insensitive fiber identifier with optical power meter
- SMPO kits include FS300, single-mode MFS Switch, single-mode 150 m Fiber Ring (SC/APC to SC/APC), single-mode MPO launch cable (Pinned to user-selected Male (pinned) or Female (unpinned MPO connector), TRM 3.0 Advanced, One-Click Cleaners (single-fiber and MPO), carry case that allows FlexScan, MFS Switch, and Fiber Rings to be connected, operated in the carry case and remain configured during transport
- MMPO kits include FS300, multimode MFS Switch, OM3/4/5-compatible 150 m Fiber Ring (SC to SC), multimode MPO launch cable (Pinned to user-selected Male (pinned) or Female (unpinned MPO connector), TRM 3.0 Advanced, One-Click Cleaners (single fiber and MPO), carry case that allows FlexScan, MFS Switch, and Fiber Rings to be connected, operated in the carry case and remain configured during transport

FlexScans equipped with Bluetooth option (W1) support Bluetooth transfer of results via iOS or Android FlexScan App for remote reporting using TRM 3.0. The FlexScan App is available as a free download from 'iOS App Store' or 'Google play' store.

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

FlexScan FS300 Quad OTDR Kit Configuration - [KIT]

[KIT]	FS300 Kit Configuration/Kit Contents
BAS	Includes: FS300, soft case, TRM® 3.0 Basic, USB cableª
PLUS	Includes: BAS kit plus 150 m SMF & MMF Fiber Rings, One-Click Cleaner, upgrade to TRM 3.0 Advanced, user-selected soft or hard carry case
PRO	Includes: PLUS kit plus FOCIS Flex with two user-selected adapter tips
BIPM	Includes: PRO kit plus OFI-BIPM
SMPO	Includes: FS300, SMF MFS Multi-Fiber Switch, SMF 150 m Fiber Ring (SC/APC to SC/APC), SMF MPO launch cable (pinned to user-selected male (pinned) or female (unpinned MPO connector), TRM 3.0 Advanced, One-Click Cleaners (single-fiber and MPO), carry case that allows FlexScan, MFS Switch, and Fiber Rings to be connected, operated in the carry case and remain configured during transport
MMPO	Includes: FS300, MMF MFS Multi-Fiber Switch, OM3/4/5-compatible 150 m Fiber Ring (SC to SC), MMF MPO launch cable (pinned to user-selected male (pinned) or female (unpinned MPO connector), TRM 3.0 Advanced, One-Click Cleaners (single fiber and MPO), carry case that allows FlexScan, MFS Switch, and Fiber Rings to be connected, operated in the carry case and remain configured during transport

Notes:

a. Results can be transferred from FlexScan OTDR to TRM 3.0 using USB cable, or performed wirelessly (W1 option) after downloading free iOS or Android FlexScan App from 'iOS App Store' or 'Google play' store.

FlexScan FS300 Accessories and Connector Adapters

See sections "FlexScan® FS200, FS300, and TS100 Accessories" on page 17 and "FlexScan FS200, FS300, and TS100 Connector Adapters" on page 17.

FlexScan Basic Kit

FlexScan Plus Kit

FlexScan PRO Kit

FlexScan BIPM Kit

FlexScan MPO Kit

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FlexScan® FS300-325 Order Entry

FS300-325 Basic, Plus, PRO, BIPM Kits Order Entry: **FS300-325-[KIT]-[Pn]-[Wn]-[C]-[CC]-[LNG]-[AC]-[SMFR]-[MMFR]-[TIP]**

FS300-325 MPO Kits (SMF and MMF) Order Entry: **FS300-325-[MKIT]-P1-[Wn]-[LNG]-[AC]-[MPOC]**

Where:

[KIT]	FS300-325 Kit Configuration
BAS	Includes: FS300, soft case, TRM® 3.0 Basic, USB cable[a]
PLUS	Includes: BAS kit plus 150 m SMF & MMF Fiber Rings, One-Click Cleaner, upgrade to TRM 3.0 Advanced, user-selected soft or hard carry case
PRO	Includes: PLUS kit plus FOCIS Flex with two user-selected adapter tips
BIPM	Includes: PRO kit plus OFI-BIPM

[MKIT]	FS300-325 MPO Kit Configuration
SMPO	Single-mode MPO test kit (see SMPO Kit details on preceding page)
MMPO	Multimode MPO test kit (see MMPO Kit details on preceding page)

[Pn]	Optical Light Source (OLS) and Optical Power Meter (OPM)
P0	No OLS, no OPM
P1	850/1300 MM; 1310/1550 SM Source and Power Meter

[Wn]	Bluetooth/WiFi Configuration
W0	No Bluetooth or WiFi
W1[b]	Includes WiFi and Bluetooth

[C]	OTDR / Source Connector Type
A	APC (recommended)
U	UPC

[CC][c]	Carry Case option
S1	Standard Soft Case for FlexScan, Fiber Rings, FOCIS Flex, accessories (Basic, PLUS, PRO Kits only)
S2	Large Soft Case for FlexScan, Fiber Rings, FOCIS Flex, OFI-BIPM, accessories (PLUS, PRO, BIPM Kits only)
H1	Hard carry case (PLUS, PRO, BIPM Kits only)

[LNG]	Language Option		[LNG]	Language Option
ENG	English		JPN	Japanese
CHS	Simplified Chinese		KOR	Korean
CHT	Traditional Chinese		NOR	Norwegian
CZE	Czech		POL	Polish
DEU	German		POR	Portuguese
DNK	Danish		SPA	Spanish
FIN	Finnish		TUR	Turkish
FRA	French		VNM	Vietnamese
ITA	Italian			

[AC]	Destination Country	AC Plugs
US	USA	2-pin, US
EU	European Union	2-pin, EU
UK	United Kingdom	3-pin, UK
CN	China, Australia	2-pin, SAA

[SMFR]	150 m SMF Fiber Ring
Absent	N/A in Basic kits
SC/SC	FR-SMF-150-SC-SC
SC/FC	FR-SMF-150-SC-FC
SC/LC	FR-SMF-150-SC-LC
SC/ST	FR-SMF-150-SC-ST
SC/ASC	FR-SMF-150-SC-ASC
SC/AFC	FR-SMF-150-SC-AFC
SC/ALC	FR-SMF-150-SC-ALC
LC/LC	FR-SMF-150-LC-LC
LC/ASC	FR-SMF-150-LC-ASC
LC/ALC	FR-SMF-150-LC-ALC
ASC/FC	FR-SMF-150-ASC-FC
ASC/ST	FR-SMF-150-ASC-ST
ASC/ASC	FR-SMF-150-ASC-ASC
ASC/AFC	FR-SMF-150-ASC-AFC
ASC/ALC	FR-SMF-150-ASC-ALC
ALC/ALC	FR-SMF-150-ALC-ALC
FC/FC	FR-SMF-150-FC-FC
FC/ST	FR-SMF-150-FC-ST
FC/LC	FR-SMF-150-FC-LC
FC/AFC	FR-SMF-150-FC-AFC
AFC/AFC	FR-SMF-150-AFC-AFC
ASC-AE2000	FR-SMF-150-ASC-AE2000
SC-E2000	FR-SMF-150-SC-E2000

[MMFR]	150 m OM1 62.5 μm MMF Fiber Ring
Absent	N/A in Basic kits
SC/ST1	FR-OM1-150-SC-ST
SC/SC1	FR-OM1-150-SC-SC
ST/ST1	FR-OM1-150-ST-ST
ST/LC1	FR-OM1-150-ST-LC
SC/LC1	FR-OM1-150-SC-LC

[MMFR]	150 m OM2 50 μm MMF Fiber Ring
Absent	N/A in Basic kits
SC/ST2	FR-OM2-150-SC-ST
SC/SC2	FR-OM2-150-SC-SC
ST/ST2	FR-OM2-150-ST-ST
ST/LC2	FR-OM2-150-ST-LC
SC/LC2	FR-OM2-150-SC-LC

[MMFR]	150 m OM3/4/5 - compatible Fiber Ring
SC/ST3	FR-OM3-150-SC-ST
SC/SC3	FR-OM3-150-SC-SC
ST/ST3	FR-OM3-150-ST-ST
ST/LC3	FR-OM3-150-ST-LC
SC/LC3	FR-OM3-150-SC-LC

[TIP]	FOCIS Flex Tips and Cleaning (PRO, BI, BIPM Kits only)
Absent	Option not available in Basic and PLUS kits
SC	SC/UPC bulkhead tip, 2.5 mm UPC ferrule tip, 2.5 mm One-Click
FC	FC/UPC bulkhead tip, 2.5 mm UPC ferrule tip, 2.5 mm One-Click
LC	LC/UPC bulkhead tip, 1.25 mm UPC ferrule tip, 1.25 mm One-Click
ASC	SC/APC bulkhead tip, 2.5 mm APC ferrule tip, 2.5 mm One-Click
AFC	FC/APC bulkhead tip, 2.5 mm APC ferrule tip, 2.5 mm One-Click
ALC	LC/APC bulkhead tip, 1.25 mm APC ferrule tip, 1.25 mm One-Click

[MPOC]	MPO Launch Cable Network Connector
F	Female (unpinned)
M	Male (pinned)

Notes:

a. Results can be transferred from FlexScan OTDR to TRM® 3.0 using USB cable, or performed wirelessly (W1 option) after downloading free iOS or Android FlexScan App. The FlexScan App is available as a free download from 'iOS App Store' or 'Google play' store.

b. FlexScans equipped with Bluetooth option (W1) support Bluetooth transfer of results via FlexScan App for remote reporting using TRM 3.0.

c. Basic kit always ships with S1 (Standard Soft Case); MPO kit always ships with MPO-specific soft case..

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FlexScan® FS200

Award Winning Pocket-Sized Singlemode OTDR

Measure fiber attenuation and identify connectors, splices, cable ends & issues such as bends or breaks

Specifications

- Wavelengths: 1, 2 or 3 (1310 / 1550 / 1625 or 1650 nm)
- Network Type: Point-to-Point and/or FTTH PON
- Dynamic Range: Up to 37 dB
- Range Settings: 250 m to 240 km
- Data Points: Up to 300,000
- Internal Storage: 4 GB (>1000 traces)
- Size: 86 x 160 x 43 mm
- Weight: 0.4 kg
- Battery Life: >12 hours, Telcordia test conditions
- Display: Color touchscreen 4.3 in LCD

The FlexScan FS200 is a family of performance-packed singlemode OTDRs which provide fast, accurate fiber characterization and fault location for point-to-point and FTTH PON networks.

FlexScan FS200 OTDRs automate test setup, simplify results interpretation, and shorten test time, all at an affordable price point. AFL's SmartAuto® mode requires just the push of a button to test the network. Results are clearly displayed on the large touchscreen using color-coded LinkMap® icons that show network configuration and pass/fail status at a glance. Our new FleXpress® mode completes dual-wavelength tests in under 5 seconds – 10 x faster than other OTDRs!

The integrated light source, power meter and VFL, along with an optional connector inspection scope, provide both expert and novice technicians everything they need to locate and resolve optical network issues. Results may be stored internally or externally and easily shared via USB or Bluetooth. Included Windows-compatible TRM® 3.0 Test Results Manager software quickly generates easy-to-understand reports. The results used for TRM reports can be transferred from FlexScan by USB cable or wirelessly via the FlexScan App.

FlexScan OTDR

FAFL FlexScan App

Google play

App Store

FlexScan Basic Kit

FlexScan Plus Kit

FlexScan PRO Kit

10X FASTER TEST SPEED

FlexScan MPO Kit

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

NEW **FleXpress Free Upgrade Introductory Offer ($395 value) good through 31-March, 2021!**

Combining SmartAuto network-optimized event detection and analysis with its intuitive LinkMap view of the tested network, AFL's FlexScan 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.

FlexScans equipped with Bluetooth option (W1) support Bluetooth transfer of results via iOS or Android FlexScan App for remote reporting using TRM® 3.0. The FlexScan App is available as a free download from 'iOS App Store' or 'Google play' store.

FlexScan FS200 family offers the following models with integrated VFL, two USB ports plus optional source, power meter, Bluetooth® and WiFi communications:

- **FS200-50B**: 1550 nm Point-to-Point Troubleshooting OTDR
- **FS200-60**: 1650 nm Live PON Troubleshooting OTDR
- **FS200-100**: 1310/1550 Point-to-Point Verification and Troubleshooting OTDR
- **FS200-300**: 1310/1550 PON and Point-to-Point Verification and Troubleshooting OTDR with FleXpress and MPO Switch control
- **FS200-303**: 1310/1550/1625 PON and Point-to-Point Verification and Troubleshooting OTDR with FleXpress and MPO Switch control
- **FS200-304**: 1310/1550/1650 PON and Point-to-Point Verification and Troubleshooting OTDR with FleXpress and MPO Switch control

AFL NO.	OTDR/Source λ (nm)	PON OTDR Dark	PON OTDR Live	OLS/OPM	BT/WiFi	FleXpress with MPO Switch					
FS200-50B-[Kit]-P0-W0	1550					MPO only					
FS200-60-[Kit]-P0-W0	1650	◆	◆			MPO only					
FS200-100-[Kit]-P0-W0	1310/1550					MPO only					
FS200-100-[Kit]-P1-W1	1310/1550			◆	◆	MPO only					
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	◆	◆	◆		◆					
FS200-304-[Kit]-P1-W1	1310/1550/1650	◆	◆	◆	◆	◆					

FlexScan FS200 Kit Configuration - [KIT]

[KIT]	FS200 Kit Configuration/Kit Contents
BAS	Includes: FS200, soft case, TRM® 3.0 Basic, USB cable[a]
PLUS	Includes: BAS Kit plus 150 m SMF Fiber Ring, One-Click Cleaner, upgrade to TRM 3.0 Advanced, user-selected soft or hard carry case
PRO	Includes: PLUS Kit plus FOCIS Flex with two user-selected adapter tips
BIPM	Includes: PRO Kit plus OFI-BIPM
MPO	Includes: FS200, MFS Multi-Fiber Switch, MPO launch cable, OTDR-to-Switch patch cord, OTDR-to-Switch USB cable, TRM 3.0 Advanced

Notes:

a. Results can be transferred from FlexScan OTDR to TRM 3.0 using USB cable, or performed wirelessly (W1 option) after downloading free iOS or Android FlexScan App from 'iOS App Store' or 'Google play' store.

FlexScan FS200 Accessories and Connector Adapters

See sections "FlexScan® FS200, FS300, and TS100 Accessories" on page 17 and "FlexScan FS200, FS300, and TS100 Connector Adapters" on page 17.

FlexScan® FS200 Order Entry

FS200-[MOD]-[KIT]-[PW]-[C]-[CC]-[LNG]-[AC]-[FR]-[TIP] where:

[MOD]	FS200 FlexScan OTDR Configuration
50	1550 nm only Troubleshooting OTDR
60	1650 nm only Live PON Troubleshooting OTDR
100	1310/1550 nm Verification and Troubleshooting OTDR
300	1310/1550 Pt-to-Pt and PON Verification and Troubleshooting OTDR
303	1310/1550/1625 Pt-to-Pt and PON Verification and Troubleshooting OTDR
304	1310/1550/1650 Pt-to-Pt and PON Verification and Troubleshooting OTDR

[KIT]	FS200 FlexScan Kit Configuration
BAS	Includes: FS200, soft case, TRM® 3.0 Basic, USB cable[a]
PLUS	Includes: BAS kit plus 150 m SMF Fiber Rings, One-Click Cleaner, upgrade to TRM 3.0 Advanced, user-selected soft or hard carry case
PRO	Includes: PLUS kit plus FOCIS Flex with two user-selected adapter tips
BIPM	Includes: PRO kit plus OFI-BIPM
MPO	MPO kit includes FlexScan, MFS Switch, MPO launch cable, OTDR-to-Switch patch cord, OTDR-to-Switch USB cable

[PW]	Power Meter / Wireless option
P0-W0	No Source, Power Meter, or Bluetooth/WiFi (-50B/60/100 only)
P0-W1[b]	No Source, Power Meter; Includes Bluetooth/WiFi (FS200-300/304)
P1-W0	No Bluetooth/WiFi (FS200-303/304 only); Includes Source, Power Meter
P1-W1[b]	Includes Source, Power Meter, Bluetooth/WiFi (all models except -50B)

[C]	OTDR / Source Connector Type
A	APC (recommended)
U	UPC

[CC][c]	Carry Case Option
S1	Large soft case for FS200, Fiber Ring, FOCIS Flex, OFI-BIPM, accessories
S2	Medium soft case for FS200, Fiber Ring, FOCIS Flex, accessories
H1	Hard carry case for FS200, Fiber Ring, FOCIS Flex, OFI-BIPM, accessories

[LNG]	Language Option		[LNG]	Language Option
ENG	English		JPN	Japanese
CHS	Simplified Chinese		KOR	Korean
CHT	Traditional Chinese		NOR	Norwegian
CZE	Czech		POL	Polish
DEU	German		POR	Portuguese
DNK	Danish		SPA	Spanish
FIN	Finnish		TUR	Turkish
FRA	French		VNM	Vietnamese
ITA	Italian			

[AC]	Destination Country	AC Plugs
US	USA	2-pin, US
EU	European Union	2-pin, EU
UK	United Kingdom	3-pin, UK
CN	China, Australia	2-pin, SAA

[FR][d]	150 m SMF Fiber Ring Configuration
Absent	N/A in Basic kits
SC/SC	FR-SMF-150-SC-SC
SC/FC	FR-SMF-150-SC-FC
SC/LC	FR-SMF-150-SC-LC
SC/ST	FR-SMF-150-SC-ST
SC/ASC	FR-SMF-150-SC-ASC
SC/AFC	FR-SMF-150-SC-AFC
SC/ALC	FR-SMF-150-SC-ALC
LC/LC	FR-SMF-150-LC-LC
LC/ASC	FR-SMF-150-LC-ASC
LC/ALC	FR-SMF-150-LC-ALC
ASC/FC	FR-SMF-150-ASC-FC
ASC/ST	FR-SMF-150-ASC-ST
ASC/ASC	FR-SMF-150-ASC-ASC
ASC/AFC	FR-SMF-150-ASC-AFC
ASC/ALC	FR-SMF-150-ASC-ALC
ALC/ALC	FR-SMF-150-ALC-ALC
FC/FC	FR-SMF-150-FC-FC
FC/ST	FR-SMF-150-FC-ST
FC/LC	FR-SMF-150-FC-LC
FC/AFC	FR-SMF-150-FC-AFC
AFC/AFC	FR-SMF-150-AFC-AFC
ASC-AE2000	FR-SMF-150-ASC-AE2000
SC-E2000	FR-SMF-150-SC-E2000

[TIP][e]	FOCIS Flex Tips and Cleaning (PRO only)
Absent	Option not available in Basic and PLUS kits
SC	SC/UPC bulkhead tip, 2.5 mm UPC ferrule tip, 2.5 mm cleaning
FC	FC/UPC bulkhead tip, 2.5 mm UPC ferrule tip, 2.5 mm cleaning
LC	LC/UPC bulkhead tip, 1.25 mm UPC ferrule tip, 1.25 mm cleaning
ASC	SC/APC bulkhead tip, 2.5 mm APC ferrule tip, 2.5 mm cleaning
AFC	FC/APC bulkhead tip, 2.5 mm APC ferrule tip, 2.5 mm cleaning
ALC	LC/APC bulkhead tip, 1.25 mm APC ferrule tip, 1.25 mm cleaning

Notes:

a. Results can be transferred from FlexScan OTDR to TRM® 3.0 using USB cable, or performed wirelessly (W1 option) after downloading free iOS or Android FlexScan App. The FlexScan App is available as a free download from 'iOS App Store' or 'Google play' store.

b. FlexScans equipped with Bluetooth option (W1) support Bluetooth transfer of results via IOS or Android FlexScan App for remote reporting using TRM 3.0.

c. Basic kits always ship with S2 soft carry case; MPO kits always ship with MPO-specific carry case.

d. Fiber Rings in additional lengths are available and may be ordered separately. See "OTDR Launch and Receive/Tail Cords - Fiber Rings" on page 19.

e. Additional FOCIS Flex adapter tips are available and may be ordered separately. See "FOCIS Series and DFS1 Adapter Tips" on page 24.

FlexScan® TS100

One-Touch FTTH PON Troubleshooter

Avoid extended downtime and additional truckrolls with the easy-to-use TS100 designed for frontline technicians

Specifications

- Wavelengths: 1650 nm filtered live PON Troubleshooter
- Network Type: Point-to-Point and/or FTTH PON
- Integrated GPON/10GPON PON Power Meter
- Test Range: Up to 40 km
- Test Time: Length, Loss, ORL, faults to end or Splitter ≤3 sec
      Loss through Splitter: ≤40 sec (TS100-70 only)
- Results Storage: 4 GB internal memory
- Size: 86 x 160 x 43 mm and weighs 0.4 kg
- Battery Life: >12 hours, Telcordia test conditions
- Display: 4.3 inch color touchscreen LCD

AFL's FlexScan TS100 is a family of pocket-sized optical troubleshooters for frontline service technicians to enable them to quickly verify or diagnose GPON, video and XG/XGS-PON or 10GEPON networks.

It features automated setup, ultra-fast fault location, and color-coded icons that enable even novices to diagnose and repair single-mode networks like experts.

TS100 measures downstream PON power, link length, loss, and ORL in under three seconds with the push of a button. Technicians then simply touch any failed measurements to get information on what to do about it.

Test results may be stored internally or externally and easily shared via USB or Bluetooth. The included Windows-compatible TRM® 3.0 Test Results Manager software quickly generates easy-to-understand reports.

Service providers, MSOs, and contractors love FlexScan TS100 because it automates testing, shortens test time, interprets results, and recommends corrective actions - improving the efficiency of their frontline technicians and reducing costs.

Contact sales@AFLglobal.com

NEW

FlexScan TS100

FAFL FlexScan App

Google play

Available on the App Store

FlexScan Basic Kit

FlexScan Plus Kit

FlexScan PRO Kit

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. The FlexScan TS100 automates testing, shortens test time, interprets results, and recommends corrective actions, improving efficiency of frontline technicians and reducing costs.

Higher performance TS100-70 FlexScans can test through splitters up to 1:64, measure splitter loss and compare it to user-settable min/max loss limits, enabling technicians to detect dirty or damaged connections or macro-bends at the splitter.

The lower cost FlexScan TS100-60 will test to the splitter but not through the splitter. Consequently, it will not detect and report macro-bends or poor connections at the splitter which cause excess loss through the splitter.

TS100s include a field-replaceable connector which accepts tool-free, interchangeable connector adapters. Users are able to replace the connector in the field if damaged when mating dirty or damaged connectors to the TS100. The field-replaceable connector also allows users to convert the Troubleshooter port from APC to UPC or vice versa.

All TS100s include an integrated Light Source, user-selected Broadband or optional Dual-wavelength 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.

AFL NO.	Application	Test λ (nm)	Power Meter			
TS100-60-P1	PON to Splitter & Point-to-Point		Broadband			
TS100-60-P2		1650 nm filtered	Broadband + PON			
TS100-70-P1	PON through Splitter & Point-to-Point		Broadband			
TS100-70-P2			Broadband + PON			

FlexScan TS100 Kit Configuration - [KIT]

All kits include selected FlexScan TS100 with AC charger, battery, carry strap, SC/2.5 mm connector adapters, TRM® 3.0, USB cable, and soft carry case. PLUS kits add a 150 m Fiber Ring, One-Click cleaner, and upgrade to TRM 3.0 Advanced software. PRO kits add a FOCIS® Flex auto-focusing connector inspection probe with IEC pass/fail analysis and two adapter tips. TS100s are manufactured with APC connectors.

[KIT]	TS100 Kit Configuration/Kit Contents
BAS	Includes: TS100, soft case, TRM 3.0 Basic, USB cable[a]
PLUS	Includes: BAS kit plus 150 m Fiber Ring, One-Click Cleaner, upgrade to TRM 3.0 Advanced
PRO	Includes: PLUS kit plus FOCIS Flex with 2 adapter tips

Notes:

a. Results can be transferred from FlexScan to TRM 3.0 using USB cable, or uploaded via Bluetooth using IOS or Android FlexScan App downloaded from 'iOS App Store' or 'Google play' store.

FlexScan TS100 Accessories and Connector Adapters

See sections "FlexScan® FS200, FS300, and TS100 Accessories" on page 17 and "FlexScan FS200, FS300, and TS100 Connector Adapters" on page 17.

FlexScan® TS100 Order Entry

TS100-[MOD]-[KIT]-[Pn]-[Wn]-[LNG]-[AC]-[FR]-[TIP] where:

[MOD]	TS100 Configuration
60	1650 nm filtered Live PON Troubleshooter; Test to Splitter
70	1650 nm filtered Live PON Troubleshooter; Test through Splitter

[KIT]	TS100 Kit Configuration/Kit Contents
BAS	Includes: TS100, soft case, TRM 3.0 Basic, USB cable [a]
PLUS	Includes.: BAS kit plus 150 m Fiber Ring, One-Click Cleaner, TRM 3.0 Advanced
PRO	Includes: PLUS kit plus FOCIS Flex with 2 adapter tips

[Pn]	Power Meter Option
P1	Broadband Power Meter
P2	Dual-wavelength Power Meter for GPON / Video / XG/XGS/10GEPON

[Wn]	Bluetooth Wireless Option
W0	Disabled
W1 [b]	Installed and enabled

[LNG]	Language	[LNG]	Language	[LNG]	Language
ENG	English	FIN	Finnish	POL	Polish
CHS	Chinese Simp.	FRA	French	POR	Portuguese
CHT	Chinese Trad.	ITA	Italian	SPA	Spanish
CZE	Czech	JPN	Japanese	TUR	Turkish
DEU	German	KOR	Korean		
DNK	Danish	NOR	Norwegian		

[AC]	Destination Country	AC Plugs
US	USA	2-pin, US
EU	European Union	2-pin, EU
UK	United Kingdom	3-pin, UK
CN	China, Australia	2-pin, SAA

[FR1]	150 m SMF Fiber Ring
Blank	N/A in Basic kits
SC/SC	FR-SMF-150-SC-SC
SC/FC	FR-SMF-150-SC-FC
SC/LC	FR-SMF-150-SC-LC
SC/ST	FR-SMF-150-SC-ST
SC/ASC	FR-SMF-150-SC-ASC
SC/AFC	FR-SMF-150-SC-AFC
SC/ALC	FR-SMF-150-SC-ALC
LC/LC	FR-SMF-150-LC-LC
LC/ASC	FR-SMF-150-LC-ASC
LC/ALC	FR-SMF-150-LC-ALC
ASC/FC	FR-SMF-150-ASC-FC
ASC/ST	FR-SMF-150-ASC-ST
ASC/ASC	FR-SMF-150-ASC-ASC
ASC/AFC	FR-SMF-150-ASC-AFC
ASC/ALC	FR-SMF-150-ASC-ALC
ALC/ALC	FR-SMF-150-ALC-ALC
FC/FC	FR-SMF-150-FC-FC
FC/ST	FR-SMF-150-FC-ST
FC/LC	FR-SMF-150-FC-LC
FC/AFC	FR-SMF-150-FC-AFC
AFC/AFC	FR-SMF-150-AFC-AFC
ASC-AE2000	FR-SMF-150-ASC-AE2000
SC-E2000	FR-SMF-150-SC-E2000

[TIP]	FOCIS Flex Tips & Cleaning (PRO only)
Blank	Option not available in Basic and PLUS kits
SC	SC-UPC bulkhead tip, 2.5 mm UPC ferrule tip, 2.5 mm One-Click
FC	FC-UPC bulkhead tip, 2.5 mm UPC ferrule tip, 2.5 mm One-Click
LC	LC-UPC bulkhead tip, 1.25 mm UPC ferrule tip, 1.25 mm One-Click
ASC	SC-APC bulkhead tip, 2.5 mm APC ferrule tip, 2.5 mm One-Click
AFC	FC-APC bulkhead tip, 2.5 mm APC ferrule tip, 2.5 mm One-Click
ALC	LC-APC bulkhead tip, 1.25 mm APC ferrule tip, 1.25 mm One-Click

Notes:

a. Results can be transferred from FlexScan to TRM® 3.0 using USB cable, or uploaded via Bluetooth using FlexScan App downloaded from 'iOS App Store' or 'Google play' store.

b. FlexScans equipped with Bluetooth option (W1) support Bluetooth transfer of results via iOS or Android FlexScan App for remote reporting using TRM 3.0.

FlexScan® FS200, FS300, and TS100 Accessories

6000-00-0034PR

4050-01-0001PR

Fiber Ring, page 19

NS Bench Top Model, page 18

NSR Rack-mountable Model, page 18

AFL NO.	Description	Compatible With		
		FS200	FS300	TS100
6000-00-0031MR	Cable, USB-micro B, 5 pin, 6 ft[a]	◆	◆	◆
4050-00-0931PR	AC charger 100-240 VAC to 5 VDC (specify [AC] option; see product 'Order Entry'	◆	◆	◆
1400-05-0230PZ	FlexScan wrist strap	◆	◆	◆
1400-05-0231PZ	FlexScan neck strap, 36″	◆	◆	◆
1400-01-0111PZ	Soft carry case for FS200/TS100 kits with FOCIS Flex and Fiber Ring	◆		◆
1400-01-0128PZ	Soft carry case for FS200/TS100 kits with FOCIS Flex, OFI-BIPM and Fiber Ring	◆		◆
1400-01-0134PZ	Hard carry case for FS200/TS100 kits with FOCIS Flex, OFI-BIPM and Fiber Ring	◆		◆
1400-01-0167PZ	Soft carry case for FS300 with FOCIS, OFI and Fiber Ring		◆	
1400-01-0177PZ	Hard carry case for FS300 kits with FOCIS, OFI and Fiber Ring		◆	
1400-20-0001PZ	Soft Carry Case for FS300-325 MPO kits		◆	
1400-20-0002PZ	Soft carry case for FS300 with FOCIS, and Fiber Ring		◆	
3900-06-0902MR	FS300 extended temperature replacement battery		◆	
4050-00-0033MR	Vehicle charger, 12VDC to 5VDC @2A	◆	◆	◆
6000-00-0034PR	5V USB charging cable (1.5 m), type A to barrel (0.9 X 3.2 X 9 mm)	◆	◆	◆
4050-01-0001PR	Convenience bundle of 5V USB charging cable and 10K mAh external USB battery pack	◆	◆	◆
TRM3-UPGRADE	TRM® 3.0 upgrade from Basic to Advanced software	◆	◆	◆
OFI-BIPM	See "OFI-BIPM Optical Fiber Identifier" on page 53			
FOCIS Flex	See "FOCIS Flex Fiber Optic Connector Inspection System" on page 23			
Fiber Rings	Coiled lengths of multimode or single-mode fiber packaged in compact rings for use as OTDR test cords. See page 19			
Network Simulators	Custom-designed bench top or rack mountable boxes intended to duplicate installed fiber optic networks. See page 18			
TJ-03 Temporary Splice	See "TJ-03 Temporary Splice" on page 20.			

Notes:

a. Results can be transferred from FlexScan to TRM using USB cable, or performed wirelessly after downloading IOS or Android FlexScan App from 'iOS App Store' or 'Google play' store.

b. OTDR software updates are available for download on the www.AFLglobal.com –> Resources –> Software web page.

FlexScan FS200, FS300, and TS100 Connector Adapters

AFL NO.	Adapter Type	Test Port	Compatible With		
			FS200	FS300	TS100
2900-50-0002MR	FC	OTDR/OLS	◆	◆	◆
2900-50-0003MR	SC	OTDR/OLS	◆	◆	◆
2900-50-0004MR	ST	OTDR/OLS	◆	◆	◆
2900-50-0006MR	LC	OTDR/OLS	◆	◆	◆
2900-50-0011MR	SC/APC	OTDR/OLS	◆ (incl)	◆ (incl)	◆ (incl)
2900-52-0001MR	FC	OPM	◆	◆	
2900-52-0002MR	SC	OPM	◆	◆	
2900-52-0003MR	ST	OPM	◆	◆	
2900-52-0004MR	LC	OPM	◆	◆	
2900-52-0005MR	2.5 mm Universal	OPM	◆ (incl)	◆ (incl)	
2900-52-0006MR	1.25 mm Universal	OPM	◆	◆	
2900-53-0001MR	2.5 mm Universal	FS200 VFL	◆ (incl)		◆ (incl)
2900-53-0002MR	1.25 mm Universal	FS200 VFL	◆		◆
2900-50-0007MR	2.5 mm Universal	FS300 VFL		◆ (incl)	
2900-50-0010MR	1.25 mm Universal	FS300 VFL		◆	
2900-58-0001MR	APC female to APC male replaceable connector adapter	OTDR/OLS	◆	◆	◆
2900-58-0002MR	APC female to UPC male replaceable connector adapter	OTDR/OLS	◆	◆	◆

MFS- Multi-Fiber Switch

MFS Multi-Fiber Switch OTDR Add-on Kit

Single-mode and multimode Multi-Fiber Switches (MFS) are available to accelerate OTDR testing of MPO-connectorized, multi-fiber cables. OTDR MFS Add-on Kits include (1) MFS with MPO connector, (1) single-fiber Fiber Ring to connect OTDR to the switch, plus (1) MPO Fiber Ring. Select single-mode or multimode. See section "Multi-Fiber Switch Models" on page 45 for MFS details.

AFL NO.	Contains (ea.)			
	12F MFS Switch	**Fiber Ring**	**MPO Fiber Ring**	
MPO-SM-OTDR-ADD	MFS-12-SM-ASC, SM, SC/APC-MPO/APC pinned	SM, 150 m, SC-ASC or ASC-ASC (depending on OTDR connector)	12F, 61m, MPO/APC-unpinned to MPO; Select pinned or unpinned network MPO connector	
MPO-MM-OTDR-ADD	MFS-12-MM-USC, MM, SC/UPC-MPO/UPC pinned	OM3/4/5-compatible, SC-SC, 150 m	12F, 61m, MPO-unpinned to MPO; Select pinned or unpinned network MPO connector	

NS Bench Top Model

NSR Rack-mountable Model

Custom-Designed Network Simulators

AFL network simulators are custom-designed bench-top or rack mountable boxes intended to duplicate installed fiber optic networks. Network simulators may be ordered with customer-specified lengths of multimode or single-mode fiber. Events such as connections, fusion splices, and mechanical splices can be added at various points within the fiber to duplicate installed networks. A variety of changeable panel mounted connector types are available. The bench top models can accommodate up to 15 km of fiber and the rack mountable cases can hold up to 100 km of fiber.

Fiber Ring

OTDR Launch and Receive/Tail Cords - Fiber Rings

To measure the insertion loss of the near-end and/or far-end connection of a fiber optic link, an OTDR requires a launch and/or receive/tail test cord, which essentially are test jumpers that can range from about 150 m to over 1 km in length. AFL offers coiled lengths of 50 and 62.5 μm multimode, or single-mode fiber, packaged in compact rings, for use as OTDR test cords. Fiber Rings of 150 m of fiber are ideal for premises fiber network test applications. Fiber Rings of 500 m and 1 km of single-mode fiber are designed for broadband, long-haul fiber network test applications.

AFL NO. (New Numbers)	AFL NO. (Previously Used)	Fiber Type	Fiber Length	
FR-OM1-150-CC1-CC2	FR1-M6-150-x1-x2	Standard, Multimode, 62.5 μm, OM1	150 m (492 ft)	
FR-OM2-150-CC1-CC2	FR1-M5-150-x1-x2	Standard, Multimode, 50 μm, OM2	150 m (492 ft)	
FR-OM3-150-CC1-CC2	FR1-OM3-150-x1-x2	Laser Optimized, Multimode, 50 μm, OM3	150 m (492 ft)	
FR-OM4-150-CC1-CC2	FR1-OM4-150-x1-x2	Laser Optimized, Multimode, 50 μm, OM4	150 m (492 ft)	
FR-SMF-150-CC1-CC2	FR1-SM-150-y1-y2	Standard, Single-mode, G.652, SMF	150 m (492 ft)	
FR-SMF-500-CC1-CC2	FR1-SM-500-y1-y2	Standard, Single-mode, G.652, SMF	500 m (1640 ft)	
FR-SMF-1000-CC1-CC2	FR1-SM-1000-y1-y2	Standard, Single-mode, G.652, SMF	1000 m (3280 ft)	
FR-BIF-150-CC1-CC2	FR1-BIF-150-y1-y2	Bend Insensitive, Single-mode, G.657.A2 BIF	150 m (492 ft)	
FR-BIF-500-CC1-CC2	FR1-BIF-500-y1-y2	Bend Insensitive, Single-mode, G.657.A2 BIF	500 m (1640 ft)	
FR-BIF-1000-CC1-CC2	FR1-BIF-1000-y1-y2	Bend Insensitive, Single-mode, G.657.A2 BIF	1000 m (3280 ft)	
Other fiber types, connector styles, and custom lengths are available by request				

Fiber Rings Part Number Order Entry

AFL NO. = FR-FFF-LLLL-CC1-CC2 where:

FR = Fiber Ring (single fiber)

FFF = Fiber Type

      SMF= Single-mode (G.652)

      BIF = Bend Insensitive (G.657)

      CLF = Non-dispersion-shifted fiber (Corning LEAF®) (G.655)

      OM1 = 62.5 μm multimode

      OM2 = 50 μm multimode

      OM3 = 50 μm laser optimized

      OM4 = 50 μm laser optimized

LLLL = Fiber Length (meters)

      150 = 150 m (492 ft)

      500 = 500 m (1640 ft)

      1000 = 1000 m (3280 ft)

CC1 and CC2 = End 1 and End 2 Connector Options

      Ayy = Angle-polished APC connectors (e.g. ASC, ALC, AFC, etc.)

      Uxx = Flat convex-polished UPC connectors (e.g. USC, ULC, UFC, UST, etc.)

      AE2 = E2000 APC

      UE2 = E2000 UPC

      OTA = OptiTap APC

      TRD = TRIDENT® APC

FASTConnect®

FASTConnect® for Bare Fiber Termination

Suitable for either permanent connection or as a bare fiber termination for OTDR testing, AFL's FASTConnect connectors may be used to terminate single-mode or multimode fiber (OM1, OM2 or OM3/4-compatible) with SC, SC/APC, LC, or ST connectors. Termination requires simple, familiar strip, clean and cleave process. Index-matching gel provides for a low-loss, low reflectance connection. Each FASTConnect adapter may be reused up to 3 times.

FASTConnect Order Entry: FAST-[C]-[FT]-[Q] where:

[C]	Connector Type
SC	SC/UPC for 900 μm buffered fiber
ST	ST/UPC for 900 μm buffered fiber
LC	LC/UPC for 900 μm buffered fiber
SC48	SC/APC for 4.8 mm single-mode cable

[FT]	Fiber Type
MM50	50 μm OM2, UPC ferrule
MM50L	50 μm OM3/4-compatible, UPC ferrule
MM62.5	62.5 μm OM1, UPC ferrule
SM	Single-mode, UPC end
SMAU	Single-mode, APC ferrule with flat-cleaved fiber stub (SC48 only)

[Q]	Quantity
6	Package of 6
100	Package of 100

FASTConnect Ordering

AFL NO.	Description	[Q]ty 6 price for [C]onnector			[Q]ty 100 price for [C]onnector		
		SC	LC	ST	SC	LC	ST
FAST-[C]-MM50-[Q]	50 μm OM2, UPC ferrule						
FAST-[C]-MM50L-[Q]	50 μm OM3/4-compatible, UPC ferrule						
FAST-[C]-MM62.5-[Q]	62.5 μm OM1, UPC ferrule						
FAST-[C]-SM-[Q]	Single-mode, UPC ferrule						
FAST-[C]-SMAU-[Q]	Single-mode, APC ferrule with flat-cleaved fiber stub						

TJ-03 Temporary Splice

TJ-03 Temporary Splice

Only available to customers in North America!

The TJ-03 is a temporary mechanical fiber splice for fiber and cable connections to test equipment such as OTDRs or fiber optic cable reels. The TJ-03 uses a precision ceramic V-groove to align up to 12 fibers simultaneously. The fibers are prepared for joining by using standard mass fusion fiber preparation tools (fiber holders, hot jacket stripper, and cleaver.) Using the TJ-03 in conjunction with an OTDR equipped with an optical switch provides rapid one button optical tests of 12 fibers. **Note:** TJ-03 Temporary Splice and TJ-03 Temporary Splice Kit ship from the AFL Splicer Division in Spartanburg, SC.

AFL NO.	Description	
S012772	**TJ-03 Temporary Splice Kit** includes: (1 pair) FH-50-12 fiber holders, CT-30 cleaver, HJS-02 hot jacket stripper, ADC-09 AC adapter for HJS-02, ACC-09 power cord	
S010456	TJ-03 Temporary Splice (without fiber preparation tools)	

FIBER INSPECTION
& CLEANING

FOCIS Flex

Simple, Fast Fiber Optic Connector Inspection

Research has shown that dirty and damaged connectors cause up to 85% of network failures. Taking less than 2 seconds to inspect each end-face is time well spent.

FOCIS Flex is an ultra-compact Fiber Optic Connector Inspection scope with liquid lens technology for fast auto-focus, centering and PASS/FAIL analysis. The integrated display eliminates awkward tethering and the small form factor makes inspection in tight places easier. The unit can store up to 10,000 images locally or easily share them via USB, WiFi and Bluetooth®.

FOCIS Flex offers a wide range of interchangeable adapter tips for both single-fiber and multi-fiber connectors. Available kits include TRM® 3.0, AFL's Test Results Manager software, to generate connector inspection reports including images and pass/fail results.

FOCIS Flex's self-contained compact design and fast one-button operation makes it a top choice of technicians installing and troubleshooting optical networks.

Specifications

- Field of View (Live): 710 x 860 µm
- Field of View (Captured): Fully Zoomed In: 180 x 195 µm
- Display: 2.4", TFT, 240 x 320 with brightness control
- Pass/Fail Analysis: IEC 61300-3-35, IPC, user-defined
- File Format: 648 x 480 pixel JPG & GIF
- Storage Capacity: 10,000 images & results
- Battery: 8 hours, rechargeable NiMH

AFL

Contact sales@AFLglobal.com

FOCIS Flex

FlexScan® & FOCIS Flex

Sm. Device & FOCIS Flex

FOCIS Flex Fiber Optic Connector Inspection System

FOCIS Flex is self-contained fiber connector inspection probe. Its innovative, ultrafast auto-focusing system auto-centers, captures and analyzes the optical fiber end-face, displaying "Pass/Fail" results on the built-in screen in one push of a button. Results can be transferred wirelessly to smart devices or FlexTester OTDRs. The FOCIS Flex offers built-in pass/fail analysis to updated IEC 61300-3-35, IPC, AT&T or user set criteria. The device can also be used for OptiTap and MTP/MPO inspections with AFL adapters. All FOCIS Flex kits include TRM® 3.0, Test Results Manager software to prepare and print or save connector inspection reports using results uploaded from the FOCIS Flex to a PC. Download the free FOCIS Flex App to archive results and prepare inspection reports using AFL's aeRos cloud-based workflow management software. Free FOCIS Flex App (iOS and Android) supports inspection reporting.

FOCIS Flex is available in a 'No Wireless' [NW] variant, which removes the Bluetooth and WiFi functionality for use in RF restricted facilities.

FOCIS Flex Connector Inspection Kits

Each FOCIS Flex Kit includes: FOCIS Flex probe with wrist strap and dust cap, TRM 3.0 Basic Test Results Manager software, AC charger with country-specific plug, USB cable, quick reference guide, and soft carry case with strap.

AFL NO.	FOCIS Flex	AC Charger	UPC Tips Bulkhead	UPC Tips Ferrule	APC Tips Bulkhead	APC Tips Ferrule	One-Click Cleaner	Soft Carry Case	BT/WiFi
FOCIS-FLX-P4XN	1	1						1	◆
FOCIS-FLX-P4XU	1	1	1	1			1	1	◆
FOCIS-FLX-P4XA	1	1			1	1	1	1	◆
FOCIS-FLX-P4XUA	1	1	1	1	1	1	1	1	◆
FOCIS-FLX-NW-P4XN	1	1						1	
FOCIS-FLX-NW-P4XU	1	1	1	1			1	1	
FOCIS-FLX-NW-P4XA	1	1			1	1	1	1	

FOCIS Flex Order Entry

FOCIS-FLX-[NW]-P4X[K]-[PLUG]-[TIP] where:

[NW]	Wireless Option
Absent	Includes wireless
NW	No Wireless

[K]	Kit Type
N	No adapter tips
U	UPC adapter tips
A	APC adapter tips
UA	UPC and APC adapter tips

[PLUG]	Country-specific AC power plug
US	United States
UK	United Kingdom
EU	European Union
CN	China, Australia

[TIP]	User-selected adapter tips and One-Click Cleaner				
	Bulkhead adapter tips	Tip ID	Ferrule adapter tips	Tip ID	One-Click
FOCIS-FLX-P4XU Kits					
SC	SC/UPC	SC	Universal 2.5 mm UPC	U25	2.5 mm
FC	FC/UPC	FC	Universal 2.5 mm UPC	U25	2.5 mm
ST	ST/UPC	ST	Universal 2.5 mm UPC	U25	2.5 mm
LC	LC/UPC	LC	Universal 1.25 mm UPC	U125	1.25 mm
FOCIS-FLX-P4XA Kits					
SC	SC/APC	ASC	Universal 2.5 mm APC	A25	2.5 mm
FC	FC/APC	AFC	Universal 2.5 mm APC	A25	2.5 mm
LC	LC/APC	XALC	Universal 1.25 mm APC	A125	1.25 mm
FOCIS-FLX-P4XUA Kits					
SC	SC/UPC	SC	Universal 2.5 mm UPC	U25	2.5 mm
	SC/APC	ASC	Universal 2.5 mm APC	A25	
FC	FC/UPC	FC	Universal 2.5 mm UPC	U25	2.5 mm
	FC/APC	AFC	Universal 2.5 mm APC	A25	
LC	LC/UPC	LC	Universal 1.25 mm UPC	U125	1.25 mm
	LC/APC	XALC	Universal 1.25 mm APC	A125	

Example: FOCIS-FLX-P4XA-US-SC indicates FOCIS Flex with US AC plug, 2.5 mm APC ferrule adapter, SC/APC bulkhead adapter, 2.5 mm One-Click Cleaner.

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February 19, 2021

FOCIS Series and DFS1 Adapter Tips

Following table identifies commonly required adapter tips. Other adapter tips available. Consult factory for additional adapter tips and prices.

DFS1-00-0001MR

DFS1-00-0002MR

DFS1-00-0003MR

DFS1-00-0014MR

DFS1-00-0062MR

AFL NO.	Description	FOCIS	DFS1	Tip ID	
PC Ferrule Connector Adapter Tips					
DFS1-00-0001MR	Universal 1.25 mm		◆	U125	
DFS1-00-0002MR	Universal 2.5 mm	◆	◆	U25	
DFS1-00-0005MR	Universal 2.0 mm	◆	◆	U20	
DFS1-00-0006MR	Universal 1.6 mm (for termini)	◆	◆	T16M	
DFS1-00-0008MR	ELIO 1.25 mm		◆	E12M	
DFS1-00-0009MR	SMA 905	◆	◆	SMA	
DFS1-00-0038MR	Slim 1.25 mm (for LuxCis and termini)		◆	T12M	
DFS1-00-0039MR	Slim 2.5 mm (for ELIO and termini)		◆	T25M	
SC/PC and FC/PC Bulkhead Adapter Tips					
DFS1-00-0003MR	SC/PC and FC/PC		◆	FS	
DFS1-00-0011MR	Medium (~100 mm) extended tip for SC/PC and FC/PC bulkhead adapter	◆	◆	FS	
DFS1-00-0012MR	Long (~150 mm) extended tip for SC/PC and FC/PC bulkhead adapter	◆	◆	FS	
DFS1-00-0040MR	60° angled tip for SC/PC bulkhead adapter		◆	SC, A6	
ST/PC Bulkhead Adapter Tips					
DFS1-00-0014MR	ST/PC bulkhead adapter tip	◆	◆	ST	
DFS1-00-0015MR	Short (~60 mm) extended tip for ST/PC bulkhead adapter	◆	◆	ST	
DFS1-00-0016MR	Medium (~100 mm) extended tip for ST/PC bulkhead adapter	◆	◆	ST	
DFS1-00-0017MR	Long (~150 mm) extended tip for ST/PC bulkhead adapter	◆	◆	ST	
DFS1-00-0018MR	60° angled tip for ST/PC bulkhead adapter		◆	ST, A6	
LC/PC/UPC Bulkhead Adapter Tips					
DFS1-00-0004MR	LC/PC		◆	LC	
DFS1-00-0020MR	Medium (~100 mm) extended tip for LC/PC bulkhead adapter	◆	◆	LC	
DFS1-00-0021MR	Long (~150 mm) extended tip for LC/PC bulkhead adapter	◆	◆	LC	
DFS1-00-0022MR	60° angled tip for LC/PC bulkhead adapter		◆	LC, A6	
DFS1-00-0059MR	Short (~60 mm) extended tip for LC PC/UPC bulkhead adapter	◆	◆	LCP-S	
DFS1-00-0062MR	LC/UPC female style adapter tip	◆	◆	LCM	
MU/PC Bulkhead Adapter Tips					
DFS1-00-0026MR	MU/PC bulkhead adapter tip	◆	◆	MU	

FOCIS Series and DFS1 Adapter Tips (continued)

DFS1-00-0060MR

DFS1-00-0041MR

DFS1-00-0050MR

DFS1-01-0016MR

AFL NO.	Description	FOCIS	DFS1	Tip ID	
MTP/MPO Multi-fiber Adapter Tips (ferrule and bulkhead)					
DFS1-00-0060MR	Multi-row base for MTP/PC ferrule and bulkhead adapter extended tip	◆	◆	MTP[a, b]	
MPO/MTP Adapter Tips					
DFS1-00-0041MR	Adapter tip for MPO-12 PC bulkhead; Requires single- or multi-row base	◆	◆	MTP[b]	
DFS1-00-0058MR	Adapter tip for MPO-16 PC bulkhead; Requires single- or multi-row base	◆	◆	MTP16[b]	
DFS1-01-0012MR	Adapter tip for MPO-12 APC bulkhead; Requires single- or multi-row base	◆	◆	MTPA[b]	
DFS1-01-0015MR	Adapter tip for MPO-16 APC bulkhead; Requires single- or multi-row base	◆	◆	MTPA16[b]	
MPO/MTP Adapter Kits - include Base plus Adapter Tip(s)					
DFS1-00-0037MR	Single-row base plus extended MPO-12 PC bulkhead adapter tip	◆	◆	MTP[a, b]	
DFS1-00-0042MR	Single-row base plus MTP plus MTPA (MPO-12 PC and MPO-12 APC) bulkhead adapter tips	◆	◆	MTP, MTPA[a, b]	
DFS1-00-0050MR	Multi-row base plus MTP (MPO-12 PC) bulkhead adapter tip	◆	◆	MTP[a, b]	
DFS1-01-0010MR	Single-row base plus MTPA (MPO-12 APC) bulkhead adapter tip	◆	◆	MTPA[a, b]	
Miscellaneous Adapter Tips					
DFS1-00-0056MR	Universal 60 degrees angled extended adapter tip	◆	◆	A6A, U-A6	
DFS1-00-0031MR	LEMO 2.0 mm bulkhead		◆	LEMO	
DFS1-00-0033MR	2.0 mm termini bulkhead		◆	T20F	
DFS1-00-0034MR	1.6 mm termini bulkhead	◆	◆	T16F	
DFS1-00-0036MR	ELIO 1.25 mm bulkhead		◆	E12F	
DFS1-00-0046MR	SMA 905 bulkhead	◆	◆	SMAF	
DFS1-00-0048MR	TFOCA II ferrule and bulkhead adapter guide only		◆	TFO-G	
DFS1-00-0049MR	TFOCA II ferrule and bulkhead adapter tip only	◆	◆	TFO-U	
DFS1-00-0057MR	Adapter for Viavi/Westover tips, for DFS1 and FOCIS Flex inspection probe	◆	◆	WOA	
APC Tips					
DFS1-01-0001MR	Universal 1.25 mm, APC ferrule		◆	U12A	
DFS1-01-0002MR	Universal 2.5 mm, APC ferrule	◆	◆	U25A	
DFS1-01-0003MR	SC/APC and FC/APC bulkhead		◆	FSA	
DFS1-01-0011MR	SC/APC bulkhead	◆	◆	SCA	
DFS1-01-0004MR	LC/APC bulkhead		◆	LCA	
DFS1-01-0005MR	Short (~60 mm) extended tip for SC/APC bulkhead	◆	◆	SCAX	
DFS1-01-0006MR	60° angled tip for SC/APC bulkhead		◆	A6A	
DFS1-01-0009MR	LX.5/APC bulkhead		◆	LXA	
DFS1-01-0013MR	Single-row base with OptiTip® APC bulkhead and connector ferrule adapter tips	◆	◆	OTIPA	
DFS1-01-0014MR	Short (~60 mm) extended tip for LC/APC bulkhead	◆	◆	LCA-S	
DFS1-01-0016MR	LC/APC female style	◆		LCAM	

Notes:

a. MTP extended tip marking includes S/N since these have moving parts.

b. Base plus tip is required to inspect MPO/MTP connectors. All MPO/MTP connectors are inspected through bulkhead adapter.

FFLX-01-SC

FFLX-4S-ALC

FFLX-01-ULCHD

FFLX-4S-ALC3

FFLX-01-ULCE

6000-00-0034PR

3900-15-0001PR

4050-01-0001PR

FOCIS Series Adapter Tips (continued)

AFL NO.	Description	FOCIS Duel Port 1, FOCIS Flex, FOCIS WiFi2	Tip ID	
FOCIS WiFi2, FOCIS Flex Adapter Tips				
FFLX-01-SC	SC/UPC bulkhead	◆	SC	
FFLX-01-FC	FC/UPC bulkhead	◆	FC	
FFLX-01-ST	ST/UPC bulkhead	◆	ST	
FFLX-01-LC	LC/UPC bulkhead	◆	LC	
FFLX-01-U25	Universal 2.5 mm, UPC ferrule	◆	U25	
FFLX-01-A25	Universal 2.5 mm, APC ferrule	◆	A25	
FFLX-01-U125	Universal 1.25 mm, UPC ferrule	◆	U125	
FFLX-01-A125	Universal 1.25 mm, APC ferrule	◆	A125	
FFLX-01-ULCHD	LC/PC/UPC adapter tip for high density distribution trays	◆	LCNGU	
FFLX-01-ULCE	Extended LC UPC Adapter Tip	◆	ULCE	
FFLX-01-EXTS46	FOCIS adapter extension tube, straight, 46 mm	◆		
FFLX-01-EXTS80	FOCIS adapter extension tube, straight, 80 mm	◆		
FFLX-4S-ASC	SC/APC bulkhead adapter tip, quad-slotted	◆	XASC	
FFLX-4S-AFC	FC/APC bulkhead adapter tip, quad-slotted	◆	XAFC	
FFLX-4S-ALC	LC/APC bulkhead adapter tip, quad-slotted, with internal prism	◆	XALC	
FFLX-4S-ALC3	Extended LC APC bulkhead adapter tip, quad-slotted	◆	ALC3	
FFLX-4S-E2KA	E2000/APC bulkhead adapter tip, quad-slotted (~60 mm)	◆	E2KA	
FFLX-4S-E2K	E2000/PC bulkhead adapter tip, quad-slotted (~60 mm)	◆	E2K	
FFLX-4S-OTA	OptiTap (SC/APC) bulkhead adapter tip, quad-slotted	◆	OTA	
FFLX-4S-DCU	MDC/UPC adapter tip, quad-slotted	◆	DCU	
FFLX-4S-SNU	SN/UPC adapter tip, quad-slotted	◆	SNU	

FOCIS Flex Accessories

AFL NO.	Description	
1400-01-0107MZ	Soft carry case with strap	
1400-05-0230PZ	Wrist strap	
3900-04-0008ME	Battery, 3.6V, NiMH, rechargeable	
4050-00-0931PR	FOCIS Flex2 AC charger. Select power plug option [PLUG] when ordering (see "FOCIS Flex Order Entry" on page 23).	
4050-00-0030USMR	US power plug for AC charger	
4050-00-0030UKMR	UK power plug for AC charger	
4050-00-0030EUMR	EU power plug for AC charger	
4050-00-0030SAAMR	CN power plug for AC charger	
6000-00-0031MR	USB – Micro-B cable, 5 pin, 6'	
8800-02-0074MZ	Dust cap for the Inspection Port	
4050-00-0033MR	Vehicle charger, 12 VDC to 5 VDC @2A	
6000-00-0034PR	5V USB charging cable (1.5 m), type A to barrel (0.9 X 3.2 X 9 mm)	
3900-15-0001PR	10K mAh external USB battery pack, 5V @ 2A, Li-Ion	
4050-01-0001PR	Convenience bundle of USB charging cable (6000-00-0034PR) and external USB battery pack (3900-15-0001PR)	

FOCIS Lightning®

Ultrafast MPO/MTP® Multi-fiber Connector Inspection

FOCIS Lightning is a self-contained inspection probe that captures the entire MPO end-face image in less than two seconds from power-on. One button provides auto-focusing, centering and pass / fail analysis at the connector and individual fiber level. It can complete a 24-fiber MPO inspection task in less than 15 seconds. Results can be easily shared via USB, WiFi and Bluetooth®.

FOCIS Lightning supports all MPO fiber configurations including Base-8 and Base-10 with key up/key down polarity capture. It can also be used for single-fiber inspection with optional coupler and tips. FOCIS Lightning recently won "Best in Show" at the 2019 BICSI Winter Conference & Exhibition and was rated "superb" by the 2019 Lightwave Innovation Reviews.

Specifications

- Field of View (Live): 1960 x 4670 µm
- Field of View (per fiber): 130 x 130 µm
- Display: 2.4" color LCD, 320 x 240, 3 zoom levels
- Pass/Fail Analysis: IEC 61300-3-35, IPC, user
- File Formats: 640 x 480 pixel JPG & GIF
- Storage Capacity: 10,000 images & results
- Battery: 8 hours, rechargeable NiMH
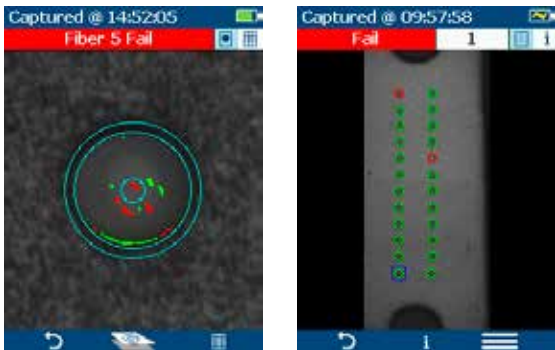
FOCIS Lightning focuses, captures and analyzes all fibers in the MPO/MPT end-face with a click of a button.

Contact sales@AFLglobal.com

February 19, 2021

FOCIS Lightning® Multi-Fiber Optic Connector Inspection System

FOCIS Lightning is an ultrafast MPO/MTP® connector inspection system with two high resolution image sensors to allow the instantaneous assessment of the full multi-fiber end face surface conditions, including a partial view of the connector pins or holes. IEC compliant auto-analysis can be completed 10 to 100 times faster than legacy mechanical scanning methods. FOCIS Lightning 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 integrated color LCD screen. Free FOCIS Flex App (iOS and Android) supports inspection reporting and provide a conduit to the aeRos® cloud-based workflow management platform.

FOCIS Lightning Connector Inspection Kits

Each FOCIS Lightning Kit includes: FOCIS Lightning probe with wrist strap and dust cap, AC charger with country-specific plug, USB cable, quick reference guide, and Easy Access carry case.

FOCIS Lightning is available in a 'No Wireless' [NW] variant, which removes the Bluetooth and WiFi functionality for use in RF restricted facilities.

FOCIS Lightning

FAFL FOCIS Flex

Google play

App Store

Smart Device Apps

	Contains (ea.)									
		Bulkhead Adapter Tips					MPO Adapters		One-Click Cleaner	
	FOCIS Lightning Probe	UPC MPO		APC MPO		SFA				
AFL NO.		M12U (keyed)	MPOU (no key)	M12A (keyed)	MPOA (no key)		MPO-12	MPO-16	MPO-12	MPO-16
FOCIS-LTNG-N	1									
FOCIS-LTNG-U	1	1	1				1	1	1	1
FOCIS-LTNG-A	1			1			1		1	
FOCIS-LTNG-UA	1	1	1	1			1	1	1	1
FOCIS-LTNG-UASF	1		1		1	1	1	1	1	1
FOCIS-LTNG-NW-N	1									
FOCIS-LTNG-NW-U	1	1	1				1	1	1	1
FOCIS-LTNG-NW-A	1			1			1		1	
FOCIS-LTNG-NW-UA	1	1	1	1			1	1	1	1

FOCIS Lightning Order Entry

FOCIS–LTNG-[NW]-[K]-[PLUG] where:

FlexScan® FOCIS LTNG

[NW]	Wireless Option
Absent	Includes wireless
NW	No Wireless

[K]	Kit type
N	No MPO adapter tips
U	UPC MPO adapter tips
A	APC MPO adapter tips
UA	UPC and APC MPO adapter tips
UASF	UPC and APC MPO adapter tips, single fiber adapter

[PLUG]	Country-specific AC power plug
US	United States
UK	United Kingdom
EU	European Union
CN	China, Australia

	Contains (ea.)			
Kit	Bulkhead adapter tips	Tip ID	MPO adapters (for patch cords)	One-Click Cleaner
U Kit	MPO-12 (with key)	M12U	MPO-12 opposed	MPO-12
	MPO-12 / MPO-16 (without key)	MPOU	MPO-16 opposed	MPO-16
A Kit	MPO-12 (with key)	M12A	MPO-12 opposed	MPO-12
UA Kit	MPO-12 (with key)	M12U	MPO-12 opposed	MPO-12
	MPO-12 (with key)	M12A		
	MPO-12 / MPO-16 (without key)	MPOU	MPO-16 opposed	MPO-16
UASF Kit	MPO-12 / MPO-16 (without key)	MPOU	MPO-12 opposed	MPO-12
	MPO-12 / MPO-16 (without key)	MPOA		
	Single Fiber Adapter	SFA	MPO-16 opposed	MPO-16

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FOCIS Lightning® Accessories

1400-01-0172PZ
(example)

6000-00-0034PR

3900-15-0001PR

AFL NO.	Description	
1400-01-0172PZ	Easy Access carry case	
1400-05-0230PZ	Wrist strap	
3900-04-0008ME	Battery, 3.6V, NiMH, rechargeable	
4050-00-0931PR	AC charger. Select power plug option [PLUG] when ordering (see "FOCIS Lightning Order Entry" on page 28).	
4050-00-0030USMR	US power plug for AC charger	
4050-00-0030UKMR	UK power plug for AC charger	
4050-00-0030EUMR	EU power plug for AC charger	
4050-00-0030SAAMR	CN power plug for AC charger	
6000-00-0031MR	USB – Micro-B cable, 5 pin, 6'	
8800-02-0083MZ	FOCIS Lightning dust cap	
1400-01-0024MZ	Small tackle box	
4050-00-0033MR	Vehicle charger, 12 VDC to 5 VDC @2A	
6000-00-0034PR	5V USB charging cable (1.5 m), type A to barrel (0.9 X 3.2 X 9 mm)	
3900-15-0001PR	10K mAh external USB battery pack, 5V @ 2A, Li-Ion	
4050-01-0001PR	Convenience bundle of USB charging cable (6000-00-0034PR) and external USB battery pack (3900-15-0001PR)	

FOCIS Lightning Adapter Tips

FLTNG-01-M12A

FLTNG-01-MPOU

FLTNG-01-M12U

FLTNG-01-SFA

AFL NO.	Description	Tip ID	
FLTNG-01-M12A	Adapter tip for MPO-12/24 APC bulkhead (with key)	M12A	
FLTNG-01-M12U	Adapter tip for MPO-12/24 UPC bulkhead (with key)	M12U	
FLTNG-01-M16U	Adapter tip for MPO-16/32 UPC bulkhead (with key)	M16U	
FLTNG-01-MPA	Universal adapter tip for MPO-12/16/24/32 APC bulkhead (partial key)	MPA	
FLTNG-01-MPU	Universal adapter tip for MPO-12/16/24/32 UPC bulkhead (partial key)	MPU	
FLTNG-01-MPOA	Adapter tip for MPO-12/16/24/32 APC bulkhead (no key)	MPOA	
FLTNG-01-MPOU	Adapter tip for MPO-12/16/24/32 UPC bulkhead (no key)	MPOU	
FLTNG-01-MAC	Adapter Tip for MPO-12/16/24/32 APC connector (with key)	MAC	
FLTNG-01-MUC	Adapter Tip for MPO-12/16/24/32 UPC connector (with key)	MUC	
FLTNG-01-OPTM	Adapter Tip for OptiTip male (pinned) connector	OPTM	
FLTNG-01-OPTF	Adapter Tip for OptiTip female (unpinned) connector	OPTF	
FLTNG-01-SFA	Coupler for most 'FFLX' single fiber connector adapter tips	SFA	
FLTNG-01-ALCM	Extended adapter tip for LC/APC bulkhead	ALCM	
FLTNG-01-ULCM	Extended adapter tip for LC/UPC bulkhead	ULCM	
FLTNG-01-MPE	MPO extender barrel	MPE	

FOCIS Duel

FlexScan® & FOCIS Duel

Sm. Device & FOCIS Duel

FOCIS Duel® Fiber Optic Connector Inspection System

FOCIS Duel is an ultra-compact dual-port inspection scope for fiber optic connectors that uses liquid lens technology for fast auto-focus, centering and Pass/Fail analysis on two ports. This enables users to inspect both connectors in a mated connection without having to change adapter tips.

Free FOCIS Flex App (iOS and Android) provides a comprehensive and user-friendly feature set as well as connectivity with AFL's cloud-based aeRos® workflow automation platform.

FOCIS Duel Connector Inspection Kits

Each FOCIS Duel Kit includes: FOCIS Duel probe with wrist strap and dust cap, TRM® 3.0 Basic (Test Results Manager software), AC charger with country-specific plug, USB cable, quick reference guide, and soft carry case with strap.

FOCIS Duel is available in a 'No Wireless' [NW] variant, which removes the Bluetooth and WiFi functionality for use in RF restricted facilities.

AFL NO.	Contains (ea.)							
			UPC Tips		APC Tips		One-Click Cleaner	Soft Carry Case
	FOCIS Duel	AC Charger	Bulkhead	Ferrule	Bulkhead	Ferrule		
FOCIS-DUEL-N	1	1						1
FOCIS-DUEL-U	1	1	1	1			1	1
FOCIS-DUEL-A	1	1			1	1	1	1
FOCIS-DUEL-UA	1	1	1	1	1	1	1	1
FOCIS-DUEL-NW-N	1	1						1
FOCIS-DUEL-NW-U	1	1	1	1			1	1
FOCIS-DUEL-NW-A	1	1			1	1	1	1
FOCIS-DUEL-NW-UA	1	1	1	1	1	1	1	1

FOCIS Duel Order Entry

FOCIS-DUEL-[NW]-[K]-[PLUG]-[TIP] where:

[NW]	Wireless Option
Absent	Includes wireless
NW	No Wireless

[K]	Kit type
N	No adapter tips
U	UPC adapter tips
A	APC adapter tips
UA	UPC and APC adapter tips

[PLUG]	Country-specific AC power plug
US	United States
UK	United Kingdom
EU	European Union
CN	China, Australia

[TIP]	User-selected bulkhead and ferrule adapter tips and One-Click Cleaner				
	Port 1 bulkhead tips	Tip ID	Port 2 ferrule adapter tips	Tip ID	One-Click
	FOCIS-DUEL-U Kits				
SC	SC/UPC	SC	SC/UPC, slotted female "click-in"	SUSC	2.5 mm
FC	FC/UPC	FC	Universal 2.5 mm UPC, slotted	U2	2.5 mm
LC	LC/UPC	LC	LC/UPC, slotted female "click-in"	SULC	1.25 mm
	FOCIS-DUEL-A Kits				
SC	SC/APC, quad-slotted	XASC	SC/APC, slotted female "click-in"	SASC	2.5 mm
FC	FC/APC, quad-slotted	XAFC	Universal 2.5 mm APC, slotted	A2	2.5 mm
LC	LC/APC, quad-slotted	XALC	LC/APC, slotted female "click-in"	SALC	1.25 mm
	FOCIS-DUEL-UA Kits				
SC	SC/UPC	SC	SC/UPC, slotted female "click-in"	SUSC	2.5 mm
	SC/APC, quad-slotted	XASC	SC/APC, slotted female "click-in"	SASC	
FC	FC/UPC	FC	Universal 2.5 mm UPC, slotted	U2	2.5 mm
	FC/UPC, quad-slotted	XAFC	Universal 2.5 mm APC, slotted	A2	
LC	LC/UPC	LC	Slotted female "click-in" LC/UPC	SULC	1.25 mm
	LC/APC, quad-slotted	XALC	Slotted female "click-in" LC/APC	SALC	

1400-01-0172PZ
(example)

6000-00-0034PR

3900-15-0001PR

FOCIS Duel® Accessories

AFL NO.	Description	
1400-01-0172PZ	Easy Access carry case	
1400-05-0230PZ	Wrist strap	
3900-04-0008ME	Battery, 3.6V, NiMH, rechargeable	
4050-00-0931PR	AC charger. Select power plug option [PLUG] when ordering. See "FOCIS Duel Order Entry" on page 30.	
4050-00-0030USMR	US power plug for AC charger	
4050-00-0030UKMR	UK power plug for AC charger	
4050-00-0030EUMR	EU power plug for AC charger	
4050-00-0030SAAMR	CN power plug for AC charger	
6000-00-0031MR	USB – Micro-B cable, 5 pin, 6 ft	
8800-02-0074MZ	Dust cap for the Inspection Port 1	
8800-02-0082MZ	Dust cap for the Inspection Port 2	
8800-02-0280MR	Dust cap for the LC (both UPC and APC) adapter tips; Inspection Port 2	
8800-02-0281MR	Dust cap for the SC (both UPC and APC) adapter tips; Inspection Port 2	
4050-00-0033MR	Vehicle charger, 12VDC to 5VDC @2A	
6000-00-0034PR	5V USB charging cable (1.5 m), type A to barrel (0.9 X 3.2 X 9 mm)	
3900-15-0001PR	10K mAh external USB battery pack, 5V @ 2A, Li-Ion	
4050-01-0001PR	Convenience bundle of USB charging cable (6000-00-0034PR) and external USB battery pack (3900-15-0001PR)	

FOCIS Duel Adapter Tips

The Port 1 of FOCIS Duel (identical to FOCIS Flex) uses both the APC adapter tips listed below as well as the full set of adapter tips qualified for FOCIS Flex and FOCIS WiFi2, see section "FOCIS Series and DFS1 Adapter Tips" on page 24.

The Port 2 of FOCIS Duel uses very specific tips (listed below) used only for Port 2 of FOCIS Duel.

FDUO-01-ULC

FDUO-01-ALC

AFL NO.	Port Usage	Description	Tip ID	
FFLX-4S-ASC	1	SC/APC bulkhead adapter tip, quad-slotted	XASC	
FFLX-4S-AFC	1	FC/APC bulkhead adapter tip, quad-slotted	XAFC	
FFLX-4S-ALC	1	LC/APC bulkhead adapter tip, quad-slotted	XALC	
FDUO-01-ULC	2	LC/UPC ferrule adapter tip, single-slotted female "click-in"	SULC	
FDUO-01-ALC	2	LC/APC ferrule adapter tip, single-slotted female "click-in"	SALC	
FDUO-01-USC	2	SC/UPC ferrule adapter tip, single-slotted female "click-in"	SUSC	
FDUO-01-ASC	2	SC/APC ferrule adapter tip, single-slotted female "click-in"	SASC	
FDUO-01-U125	2	Universal 1.25 mm UPC ferrule adapter tip, single-slotted	U1	
FDUO-01-A125	2	Universal 1.25 mm APC ferrule adapter tip, single-slotted	A1	
FDUO-01-U25	2	Universal 2.5 mm UPC ferrule adapter tip, single-slotted	U2	
FDUO-01-A25	2	Universal 2.5 mm APC ferrule adapter tip, single-slotted	A2	

February 19, 2021

FOCIS WiFi2™ Fiber Optic Connector Inspection System

FOCIS WiFi2 is an ergonomic Fiber Optic Connector Inspection System that, when paired with an iOS or Android smart device, provides fast and accurate IEC/IPC/AT&T compliant and user-defined pass/fail end-face cleanliness analysis. Free of charge iOS and Android companion apps support a comprehensive and user-friendly feature set.

Pass/Fail results in seconds: With the press of a single button, FOCIS WiFi2 auto-focuses, captures, centers and analyzes the end-face image to industry standard IEC 61300-3-35 (2015), IPC-8497-1, AT&T TP-76461 and user-defined criteria.

Untethered operation: App-based report generator with results/reports that can be shared by email. With rechargeable battery and convenient pass/fail LED feedback, FOCIS WiFi2 can be used autonomously.

Wide range of adapter tips: Interchangeable adapter tips support single and multi-fiber connector inspection for a wide range of patch cords and bulkhead-mounted connectors having either PC/UPC or APC polished end-faces compatible with all FOCIS Flex adapter tips.

FOCIS WiFi2

FOCIS WiFi2 Connector Inspection Kits

Each FOCIS WiFi2 Kit includes: FOCIS WiFi2 probe with wrist strap and dust cap, AC charger with country-specific plug, quick reference guide, and soft carry case with strap.

AFL NO.	Contains (ea.)										
	FOCIS WiFi2	AC Charger	Dust Cap	Wrist Strap	UPC Tips		APC Tips		One-Click Cleaner Mini	Soft Carry Case	
					Bulkhead	Ferrule	Bulkhead	Ferrule			
FOCIS-WIFI2-N	1	1	1	1						1	
FOCIS-WIFI2-U	1	1	1	1	1	1			1	1	
FOCIS-WIFI2-A	1	1	1	1			1	1	1	1	
FOCIS-WIFI2-UA	1	1	1	1	1	1	1	1	1	1	

FOCIS WiFi2 Order Entry

FOCIS-WiFi2-[K]-[PLUG]-[TIP] where:

K]	Kit type
N	No adapter tips
U	UPC adapter tips
A	APC adapter tips
UA	UPC and APC adapter tips

[PLUG]	Country-specific AC power plug
US	United States
UK	United Kingdom
EU	European Union
CN	China, Australia

[TIP]	User-selected bulkhead and ferrule adapter tips and One-Click Cleaner Mini				
	Bulkhead adapter tips	Tip ID	Ferrule adapter tips	Tip ID	One-Click
	FOCIS-WiFi2-U Kits				
SC	SC/UPC	SC	Universal 2.5 mm UPC	U25	2.5 mm
FC	FC/UPC	FC	Universal 2.5 mm UPC	U25	2.5 mm
ST	ST/UPC	ST	Universal 2.5 mm UPC	U25	2.5 mm
LC	LC/UPC	LC	Universal 1.25 mm UPC	U125	1.25 mm
	FOCIS-WiFi2-A Kits				
SC	SC/APC	ASC	Universal 2.5 mm APC	A25	2.5 mm
FC	FC/APC	AFC	Universal 2.5 mm APC	A25	2.5 mm
LC	LC/APC	ALC2	Universal 1.25 mm APC	A125	1.25 mm
	FOCIS-WiFi2-UA Kits				
SC	SC/UPC	SC	Universal 2.5 mm UPC	U25	2.5 mm
	SC/APC	ASC	Universal 2.5 mm APC	A25	
FC	FC/UPC	FC	Universal 2.5 mm UPC	U25	2.5 mm
	FC/APC	AFC	Universal 2.5 mm APC	A25	
LC	LC/UPC	LC	Universal 1.25 mm UPC	U125	1.25 mm
	LC/APC	ALC2	Universal 1.25 mm APC	SALC	

1400-01-0172PZ
(example)

6000-00-0034PR

3900-15-0001PR

4050-01-0001PR

DFS1

DFS1-00-04XU

AFL SimpleView

FOCIS WiFi2 Accessories

AFL NO.	Description	
1400-01-0172PZ	Easy Access carry case	
1400-05-0230PZ	Wrist strap	
8800-02-0074MZ	Dust cap for the Inspection Port	
4050-00-0931PR	AC charger. Select power plug option [PLUG] when ordering. See "FOCIS WiFi2 Order Entry" on page 32.	
4050-00-0030USMR	US power plug for AC charger	
4050-00-0030UKMR	UK power plug for AC charger	
4050-00-0030EUMR	EU power plug for AC charger	
4050-00-0030SAAMR	SAA power plug for AC charger	
6000-00-0034PR	5V USB charging cable (1.5 m), type A to barrel (0.9 X 3.2 X 9 mm)	
3900-15-0001PR	10K mAh external USB battery pack, 5V @ 2A, Li-Ion	
4050-01-0001PR	Convenience bundle of USB charging cable (6000-00-0034PR) and external USB battery pack (3900-15-0001PR)	

FOCIS WiFi2 Tips

See section "FOCIS Series and DFS1 Adapter Tips" on page 24.

DFS1 Digital FiberScope

The DFS1 Digital FiberScope provides magnified video inspection of optical fiber connector end-faces. The ergonomically designed hand-held unit illuminates fiber end-faces and displays magnified images via USB port to a PC running AFL SimpleView Fiber inspection software, or to legacy AFL M-series OTDRs, C-series OTDRs and Certification Testers.

The DFS1 is available in three different kits, which provide PC/UPC adapters, APC adapters, or no adapters. Each DFS1 kit includes: DFS1 Digital FiberScope, 6-compartment adapter tips storage box, FiberScope software update for M series OTDRs, quick reference guide and soft carry case.

		Contains (ea.)								
			One-Click Cleaners		Adapter Tips					
					Male			Female		
					PC		APC	PC		APC
AFL NO.	Description	DFS1	SC, ST, FC	MU/LC	2.5 mm	1.25 mm	2.5 mm	SC, FC	LC	SC, FC	SC
DFS-00-04XU	DFS1 PC/UPC Kit	1	1	1	1	1		1	1		
DFS-00-04XA	DFS1 APC Kit	1	1				1			1	1
DFS-00-04XN	DFS1 kit without adapters	1									

DFS1 Accessories

AFL NO.	Description	
DFS1-04-0001MZ	Soft carry case for DFS1 Digital FiberScope and adapters	
1400-01-0093MZ	6-compartment adapter tip storage box	
1400-01-0094MZ	11-compartment adapter tip storage box	
DFS1-001-00	Digital FiberScope display software update for M series OTDR	
8500-05-0001MZ	One-Click Cleaner SC, ST, FC	
8500-05-0002MZ	One-Click Cleaner MU/LC	
SP2-DFS1-04X	2-year Service Plan for DFS1 kits - Includes free repair or replace, if your DFS1 kit is found defective.	

DFS1 Adapter Tips

See section "FOCIS Series and DFS1 Adapter Tips" on page 24.

AFL SimpleView™ Fiber Inspection Software

AFL SimpleView Fiber Inspection Software is an application that permits the AFL DFS1 Digital FiberScope to be used with Windows® XP or Windows 7 computers. AFL SimpleView software provides a live, high-resolution video image of the end-face of an optical fiber. This capability enables fiber installers and network technicians to inspect and troubleshoot optical fibers and verify that they are clean and undamaged.

AFL SimpleView software is available as a free download from AFL, www.AFLglobal.com.

www.AFLglobal.com | www.AFLglobal.com/Test | +1 (800) 235-3423

February 19, 2021

OFS300

OFS300 Microscope for Connectors on Patch Cords

The OFS300-200C is a hand-held microscope used for inspecting fiber optic connectors on patch cords and test jumpers.

The OFS300-200C is a high-resolution optical microscope with integrated infrared safety filter. T

Each scope includes a 2.5 mm Universal adapter cap and neck strap. The OFS300-200C uses thread-on adapter caps (see page 57).

Model	Nominal Magnification	Adapter Mount	Infrared Safety Filter	Power	
OFS300-200C	200x	Thread-on	Schott KG3	(2) AA alkaline	

OFS300 Accessories

AFL NO.	Description	
1400-01-0055	Soft carry case	

Countertop Display

Fiber-Optic Cleaning Supplies Point of Purchase

Everyone who works with optical fiber needs cleaning supplies on a daily basis. These custom-printed countertop displays are designed to raise awareness and sales of AFL cleaning products at your facility. Available as just the acrylic display to highlight your current inventory, or as a kit stocked with our best sellers, including our patented One-Click® cleaners.

Ordering Information:

Display
Part number: 1400-01-0183PZ
Empty three-tiered custom-printed acrylic display.
Dimensions: 11.5 (W) x 15.3 (T) x 8.1 (D) inches

Display Kit
Part Number: AFL-CleanDisplay-1
Above display and a selection of our top selling wet and dry cleaning supplies.

Display Kit Contents

- 2 Cletop-SBs with White Tape
- 2 Tubs of FiberWipes™ - 90 wipes per tub
- 2 Cans Fiber Connector Cleaner - 3 oz/85 g
- 3 Debris Destroyers® Fiber Optic Cleaning Pen
- 6 One-Click Cleaners SC, ST, FC (500+ cleans)
- 2 One-Click Cleaners Mini-100 SC, ST, FC (100+ cleans)
- 6 One-Click Cleaners MU/LC (500+ cleans)
- 2 One-ClickMini-100 MU/LC (100+ cleans)
- 1 Acrylic Display Case (free with kit purchase)
- 20 Fiber Optic Cleaning Quick Reference Guides

1400-01-0183PZ

AFL-CleanDisplay-1

FCP1 Kit

FCP2-10-0900

FCP3-00-0901

Cleaning Supplies

AFL-CleanDisplay-1

AFL offers a custom display to showcase our most popular connector cleaning products. This display features 3 tier shelves and attention-grabbing product images. The display accommodates a variety of products and enables easy grab-and-go purchases.

Overall Width x Height x Depth: 11.5" x 15.3" x 8.1"

AFL NO.	Description	
1400-01-0183PZ	Empty three-tiered custom-printed acrylic display	
AFL-CleanDisplay-1	Display and a selection of our top selling wet and dry cleaning supplies	

Wall/Rack Mountable Field Portable Cleaning Kits

Wall/rack mountable field portable cleaning kits offer a complete selection of fiber optic cleaning products for field cleaning of connector end-faces in fiber frames, adapters, and on jumpers. Each kit consists of a wall or rack mountable carry case, FCC2 cleaning fluid, and color-coded instructions. Each stick is double-ended, designed for two (2) cleans.

AFL NO.	CCTS-25-0900MZ for FC, SC, ST QTY=40, BLUE	CCTS-12-0900MZ for LC, MU QTY=40, GREEN	CCTS-16-0900MZ for D4, Mil socket QTY=40, ORANGE	CCTP-25-0900MZ for all connectors QTY=20, YELLOW	CCTX-MT-0900MZ for MTP, MPO, MPX QTY=20, PINK	Cletop Type	
FCP1-00-0901	1			2		SB	
FCP1-00-0907	3	1		1	1		
FCP1-00-0914	2	1		1		SB	

Field Portable Duffle Bag Cleaning Kits

FCP2 kits offer a selection of optical cleaning products for field cleaning of connector end-faces in a convenient duffle bag style carry case.

AFL NO.	Contains (1 ea.)	
FCP2-10-0900	FCC2 cleaning fluid, FiberWipes, Cletop-SB, SC and LC One-Clicks, Debris Destroyer, Duffle Bag	
FCP2-00-0901	FCC2 cleaning fluid, FiberWipes, Cletop-SB, SC and LC One-Clicks, Debris Destroyer, MPO One-Click, Duffle Bag	
FCP2 Kits Reordering Items		
FCPR-10-0900	Refill for FCP2-10-0900 Cleaning Package (no duffle bag). Includes FCC2 cleaning fluid, FiberWipes, Cletop-SB, SC and LC One-Clicks, Debris Destroyer.	

FCP3 Easy-Access Cleaning Kit

AFL NO.	Description	
FCP3-00-0900	**Basic Easy-Access Cleaning Kit.** Includes: • FCC2 Fiber Connector Cleaner And Preparation Fluid (can) • FCC3 Debris Destroyer Fiber Optic Cleaning Pen • CCTS-12 (for 1.25 mm ferrule) and CCTS-25 (for 2.5 mm ferrule) Connector Cleaning Tips • Cletop-SB, White Tape • One-Click Cleaners (SC, LC/MU, Ultra 2.5, MPO/MTP) • Soft Carry Case	
FCP3-00-0901	**Enterprise Easy-Access Cleaning Kit.** Includes: • FCC2 Fiber Connector Cleaner And Preparation Fluid (can) • FCC3 Debris Destroyer Fiber Optic Cleaning Pen • CCTS-12 (for 1.25 mm ferrule) and CCTS-25 (for 2.5 mm ferrule) Connector Cleaning Tips • Cletop-SB, White Tape • One-Click Cleaners (Duplex LC, LC/MU, Ultra 2.5, MPO/MTP) • Soft Carry Case	

FCC2 Cleaning Fluid and CCT Cleaning Sticks

FCC2 Enhanced Formula Fiber Connector Cleaner and Preparation Fluid

The FCC2 Enhanced Formula Fiber Optic Cleaning and Preparation Fluid is a non-flammable, environmentally safe, residue free solvent engineered to easily remove contaminants from fiber optic end-faces and bare fiber. The FCC2 is not hazardous and not regulated for all modes of transportation and shipping including air-cargo. For best results, use CCT cleaning sticks with FCC2 fluid!

FCC2 in 3 oz/85 g Can

AFL NO.	Description	
FCC2-00-0902	Enhanced Formula, (3 oz/85 g) Fiber Connector Cleaner and Preparation Fluid (1 can)	
FCC2-00-0903	Enhanced Formula, (3 oz/85 g) Fiber Connector Cleaner and Preparation Fluid (case of 12 cans)	
FCC2-10-0902	Enhanced Formula, (10 oz/283 g) Fiber Connector Cleaner and Preparation Fluid (1 can)	
FCC2-10-0903	Enhanced Formula, (10 oz/283 g) Fiber Connector Cleaner and Preparation Fluid (case of 12 cans)	
FCC3-00-PEN1	Debris Destroyer™ - Fiber Optic Cleaning Pen (1 pen)	

FCC2, 10 oz/85 g Can

CCT Connector Cleaning Tips

CCT Connector Cleaning Tips are molded cleaning tips that trap contamination and wick cleaning solvents away from connector end-faces. These tips use a molded, sintered polymer that is both porous and pliable, conforming to virtually any fiber end-face polish geometry while trapping and absorbing contaminants. CCT Tips are intended for cleaning the ferrule end-faces in adapters and sockets, as well as the exposed ferrules and termini of jumpers. Available in double-ended or single-ended design.

FCC3 Debris Destroyer

CCT Cleaning Tips

AFL NO.	Description	Tube Color	Sticks Qty	
Connector Cleaning Tips - Double-ended				
CCTP-25-0900MZ	For exposed 2.5 mm, 2.0 mm, 1.6 mm, 1.25 mm ferrules and termini (FC, SC, ST, LC, MU, etc., jumpers, male MIL T 29504/14 for MIL C 28876 and MIL T 29504/04 for MIL C38999)	Yellow	20	
CCTS-25-0900MZ	For 2.5 mm ferrule in adapters or sockets (SC, FC, ST, etc. in adapters)	Blue	40	
CCTS-12-0900MZ	For 1.25 mm ferrule in adapters or sockets (LC, MU, etc., in adapters)	Green	40	
CCTS-16-0900MZ	For MT-RJ connectors and 2.0 mm and 1.6 mm termini in sockets (female MIL T 29504/15 for MIL C 28876 and MIL T 29504/05 for MIL C 38999, MT-RJ both jumpers and adapters)	Orange	40	
CCTX-MT-0900MZ	For Biconic and MT ferrule connectors both jumpers and in adapters (Biconic, MTP, MPO, MPX, etc.)	Pink	20	
CCT Tips are available in bulk packs of single-ended sticks. Packs of 50 sticks packaged in boxes of 6 packs (300 sticks).				
CCTP-25-0910MZ	For exposed 2.5 mm, 2.0 mm, 1.6 mm, 1.25 mm ferrules and termini (FC, SC, ST, LC, MU, etc., jumpers, male MIL T 29504/14 for MIL C 28876 and MIL T 29504/04 for MIL C 38999)	Yellow	300	
CCTS-25-0910MZ	For 2.5 mm ferrule in adapters or sockets (SC, FC, ST, etc. in adapters)	Blue	300	
CCTS-12-0910MZ	For 1.25 mm ferrule in adapters or sockets (LC, MU, etc., in adapters)	Green	300	
CCTS-16-0910MZ	For MT-RJ connectors and 2.0 mm and 1.6 mm termini in sockets (female MIL T 29504/15 for MIL C 28876 and MIL T 29504/05 for MIL C 38999, MT-RJ both jumpers and adapters)	Orange	300	
CCTX-MT-0910MZ	For Biconic and MT ferrule connectors both jumpers and in adapters (Biconic, MTP, MPO, MPX, etc.)	Pink	300	

Cletop –SB

Replacement Tape
Type S

Cletop Type A

Cletop Type B

Cletop Type A and B
top view

Cletop (ACT) Sticks

Cletop Cassette Cleaners

- **Cletop series:** Original version.
- **Cletop-S series:** Second generation cleaner with improved ergonomics and tape maintenance.
- **Type A and -SA:** Designed for single 2.5 mm ferrules (SC, FC, ST, and D4).
- **Type B and -SB:** Cleans SC, SC2, FC, ST, DIN, D4, MU, LC, MT, MPO/MTP without pins, MT-RJ without pins.

AFL NO.	Description	
Cletop –S Series		
8500-10-0020MZ	Cletop-SA with Blue Tape	
8500-10-0029MZ	Cletop-SB with Blue Tape	
8500-10-0016MZ	Cletop-SB with White Tape	
8500-10-0021MZ	Replacement Tape, Type S - Blue	
8500-10-0017MZ	Replacement Tape, Type S - White	
8500-10-0046MZ	Cletop-SB White Tape (box of 5 cleaners, 8500-10-0016MZ)	
8500-10-0047MZ	Replacement Tape, Type S-White (box of 6 tapes, 8500-10-0017MZ)	
8500-10-0041MZ	Replacement Tape, Type S-Blue (box of 6 tapes, 8500-10-0021MZ)	
Cletop Original Series		
8500-10-0027MZ	Cletop Type A with Blue Tape	
8500-10-0011MZ	Cletop Type A with White Tape	
8500-10-0028MZ	Cletop Type B with Blue Tape	
8500-10-0014MZ	Cletop Type B with White Tape	
8500-10-0032MZ	Cletop for MT-RJ with pins (White Tape)	
8500-10-0033MZ	Cletop for MPO/MTP with pins (White Tape)	
8500-10-0012MZ	Replacement Tape, Type A and B – Blue	
8500-10-0015MZ	Replacement Tape, Type A and B – White	
8500-10-0042MZ	Replacement Tape, Type A and B – Blue (box of 6 tapes, 8500-10-0012MZ)	

Cletop (ACT) Cleaning Sticks

AFL NO.	Description	
8500-10-0024MZ	**ACT-01** 2.5 mm single-ended sticks (box of 200 - 40 bags of 5 sticks per bag). For FC, SC, ST, and D4.	
8500-10-0022MZ	**ACT-02** 1.25 mm single-ended sticks (box of 200 - 40 bags of 5 sticks per bag). For LC and MU.	
8500-10-0023MZ	**ACT-03** 2.0 mm single-ended sticks (box of 200 - 40 bags of 5 sticks per bag). For Military and High Definition Video (LEMO).	
8500-10-0030MZ	2.0/2.5 mm double-ended sticks (box of 100 - 100 bags of 1 stick per bag). For Military and High Definition Video (LEMO).	

SC/ST/FC, MU/LC, ODC

Mini-500
SC, ST, FC and MU/LC

Duplex   Ultra   HOC
LC   2.5

MPO   MPO-16

One-Click Cleaners

One-Click® Cleaners

U.S. Patent Numbers 7,212,719 and 8,087,118

AFL NO.	Description		Qty	
8500-05-0001MZ	One-Click Cleaner SC, ST, FC (500+ cleans)		1 Cleaner	
8500-05-0002MZ	One-Click Cleaner MU/LC (500+ cleans)		1 Cleaner	
8500-05-0004MZ	One-Click Cleaner ODC, outdoor connector (500+ cleans)		1 Cleaner	
8500-05-0005MZ	One-Click Cleaner Mini-100 SC, ST, FC (100+ cleans)		1 Cleaner	
8500-05-0006MZ	One-Click Mini-100 MU/LC (100+ cleans)		1 Cleaner	
8500-05-0009MZ	One-Click Cleaner Mini-500 SC, ST, FC (500+ cleans)		1 Cleaner	
8500-05-0010MZ	One-Click Cleaner Mini-500 MU/LC (500+ cleans)		1 Cleaner	
8500-05-0007MZ	One-Click Ultra Cleaner 2.5 (enlarged cleaning) SC, ST, FC (500+ cleans)		1 Cleaner	
8500-05-0008MZ	One-Click Cleaner D-LC, Duplex LC (2 x 500+ cleans)		1 Cleaner	
8500-05-0030MZ	One-Click Cleaner MPO (500+ cleans)		1 Cleaner	
8500-05-0013MZ	One-Click Cleaner MPO-16 (500+ cleans)		1 Cleaner	
8500-05-0031MZ	One-Click Cleaner MT-RJ (500+ cleans)		1 Cleaner	
8500-05-0014MZ	One-Click Cleaner M20, 2.0 mm ferrule (500+ cleans)		1 Cleaner	
8500-05-0018MZ	One-Click Cleaner HOC, Hardened Optic Connectors (500+ cleans)		1 Cleaner	
8500-05-0021MZ	One-Click Cleaner SC, ST, FC (box of 5 units)		5 Cleaners	
8500-05-0022MZ	One-Click Cleaner MU/LC (box of 5 units)		5 Cleaners	
8500-05-0025MZ	One-Click Cleaner Mini-100 SC, ST, FC (box of 5 units)		5 Cleaners	
8500-05-0026MZ	One-Click Cleaner Mini-100 MU/LC (box of 5 units)		5 Cleaners	
8500-05-0027MZ	One-Click Ultra Cleaner 2.5 SC, ST, FC (box of 5 units)		5 Cleaners	
8500-05-0023MZ	One-Click Cleaner MPO-16 (box of 5 units)		5 Cleaners	

NEOCLEAN Fiber Connector Cleaning Tools

NEOCLEAN-M and -M2

AFL NO.	Description		
8500-15-0900MZ	NEOCLEAN-E1 for MU and LC connectors with UPC/APC polishes (750+ cleans)		
8500-15-0901MZ	NEOCLEAN-E2 for SC and FC connectors with UPC/APC polishes and OptiTap connectors (750+ cleans)		
8500-15-0902MZ	NEOCLEAN-E3 for SC, ST, FC, E2000 with UPC/APC polishes and OptiTap connectors (750+ cleans)		
8500-15-0903MZ	NEOCLEAN-ES1 - pack of 3 replacement cartridges for NEOCLEAN-E1 (750+ cleans each)		
8500-15-0904MZ	NEOCLEAN-ES2 - pack of 3 replacement cartridges for NEOCLEAN-E2 (750+ cleans each)		
8500-15-0905MZ	NEOCLEAN-ES3 - pack of 3 replacement cartridges for NEOCLEAN-E3 (750+ cleans each)		
8500-15-0909MZ	NEOCLEAN-M for MPO/MTP® connectors (600+ cleans)		
8500-15-0910MZ	NEOCLEAN-M2 for MPO-16/MTP-16® connectors (600+ cleans)		

OPTIPOP-C Fiber Connector Cleaning Card

NEOCLEAN-E Models

AFL NO.	Description	
8500-25-0900MZ	OPTIPOP-C: Includes card cleaner case, 10 cleaning cards, 120 cleans - 12 cleans per card	
8500-25-0901MZ	OPTIPOP-C refills: Includes 100 cleaning cards, 1200 cleans - 12 cleans per card	

Optical Grade Cleaning Wipes

CleanWipes-600

AFL NO.	Description	
9000-03-0031MZ	CleanWipes - 600 optical quality wipes (1 box)	
9000-03-0030MZ	CleanWipes - 3200 optical quality wipes (1 box)	
9000-03-0025MZ	FiberWipes™ - 90 optical quality wipes per tub, (1 tub)	
9000-03-0026MZ	FiberWipes - 90 optical quality wipes per tub (1 case of 24 tubs)	
9000-03-0027MZ	FiberAide 1 - 600 lint free wipes for single use (12 bags of 50 wipes)	
9000-03-0028MZ	FiberAide 1 - 50 lint free wipes for single use (1 bag of 50 wipes)	

FiberWipes Tub

OPTICAL LOSS TESTING

ROGUE® OLTS Certifier

Test & Certify Multimode or Single-Mode Networks

ROGUE OLTS Certifier can perform multiple tests, certify a range of network types, and work both online and offline.

Specifications

- Wavelengths: Dual SM (1310, 1550 nm)
  Quad (850, 1300, 1310, 1550 nm)
- Power Measurement Range: -3 to +60 dBm
- Length Measurement Range: 5 km (MM); 200 km (SM)
- Encircled Flux Compliant
- Internal Storage: 4 GB (>1000 fibers)
- Size: 23.5 x 13.3 x 7.6 cm
- Weight: 1.56 kg (3.46lb)
- Battery Life: >8 hours continuous testing
- Display: 7″ high resolution color screen

ROGUE OLTS Certifier was designed for both enterprise network operators and telecom service providers who need to test and vertify their networks. Its unique design features a test port on each of the paired units that measures insertion loss, return loss and length bi-directionally on multimode or single-mode networks. The additional dedicated power meter and visual fault identifier help with troubleshooting.

ROGUE is available with dual bi-directional test ports that certify two single-mode fibers at once, without swapping test cords, to accelerate testing high density networks such as data centers, saving technicians valuable time when testing hundreds or even thousands of fibers.

All of the ROGUE OLTS Certifier models can be paired with an optional Multi-Fiber Switch for certifying MPO terminated cables bi-directionally to IEEE 40 and 100G test limits.

ROGUE OLTS Certifier is another product from AFL that focuses on being robust, easy-to-use and affordable.

Contact sales@AFLglobal.com

cB1 Base with Module

iB1 Base with Module

cB1 and iB1 Base with Module

ROGUE Carry Case

ROGUE® OLTS Certifier

- Each ROGUE OLTS Certifier kit includes two (2) of each: ROGUE cB1 or iB1 Base, kit-specific ROGUE Modules, battery, AC charger, carry strap, carry case.
- Each ROGUE OLTS Certifier kit includes (1) One-Click Cleaner SC/2.5 mm, (1) One-Click Cleaner LC/1.25 mm, switchable test port adapters.

		Contains (ea.)								
		ROGUE Base		ROGUE Modules			Mating	Test Port OLS	Test Port OPM	
					Dual Engine					
AFL NO.	ROGUE OLTS Certifier Kit	cB1	iB1	Quad SM/MM	SM	MM	SC	SC	SC	LC
RGK-CERT01	Quad SM/MM	2		2			2	2	2	2
RGK-CERT03	Dual Engine SM	2			2		2	4	2	2
RGK-CERT01B1	Quad SM/MM		2	2			2	2	2	2
RGK-CERT03B1	Dual Engine SM		2		2		2	4	2	2

ROGUE OLTS Certifier Kit Order Entry

RGK-CERT[KIT]-[C]-[AC] where:

[KIT]	ROGUE OLTS Certifier Kit Type/Contents
01	(2) cB1 Base, (2) Quad SM/MM OLTS Certifier Module, adapters, One-Click Cleaner
03	(2) cB1 Base, (2) Dual Engine SM OLTS Certifier Module, adapters, One-Click Cleaner
01B1	(2) iB1 Base, (2) Quad SM/MM OLTS Certifier Module, adapters, One-Click Cleaner
03B1	(2) iB1 Base, (2) Dual Engine SM OLTS Certifier Module, adapters, One-Click Cleaner

[C]	Single-mode Connector Type
U	UPC
A	APC

[AC]	Destination Country	AC Power Plug Type
US	USA	3-wire, 115V, Type K
EU	European Union	3-wire, 250V, Type B
UK	United Kingdom	3-wire, 250V, Type D
CN	China, Australia	3-wire, 250V, Type C
DK	Denmark	3-wire, 250V, Type E

[AC]	Destination Country	AC Power Plug Type
JP	Japan	3-wire, 125V, Type M
CH	Switzerland	3-wire, 250V, Type L
IT	Italy	3-wire, 250V, Type I
IL	Israel	3-wire, 250V, Type H
IN	India	3-wire, 250V, Type G

Mobile App for ROGUE® OLTS Certifier

Android Apps are available as free downloads from Google Play to configure, control and access results from ROGUE OLTS Certifier.

Mobile App	Android Google Play	
ROGUE TURBO OLTS Certifier	Available	

ROGUE RTG "Ready to Go" Tablets

AFL offers Android Tablets preloaded and configured for use with the ROGUE | aeRos Test Suite.

AFL NO.	Warranty (Description)	
RGA-7TBLT-01	Preloaded with AFL ROGUE Apps. 90 days Limited Warranty	
RGA-7TBLT-01-RTG	Preloaded with AFL ROGUE Apps and user guides, paired and labeled with ROGUE cB1, preconfigured with aeRos account. 1 year Limited Warranty	

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ROGUE® Hardware and Accessories

ROGUE iB1 Base

ROGUE cB1 Base

OLTS Certifier Module

AFL NO.	Description	Contains	
RGK-OLTS03	ROGUE OLTS kit with cB1 Base	(1) ROGUE cB1 Base, (1) Dual Engine SM Module, (2) SM reference cords (1) battery, (1) AC charger, (1) adjustable carry strap	
RGK-OLTS03B1	ROGUE OLTS kit with iB1 Base	(1) ROGUE iB1 Base, (1) Dual Engine SM Module, (2) SM reference cords (1) battery, (1) AC charger, (1) adjustable carry strap	
RG-C01	ROGUE cB1, Compact Base	(1) ROGUE cB1 Base, (1) battery, (1) AC charger, (1) adjustable carry strap	
RG-B01	ROGUE iB1, Intelligent Base	(1) ROGUE iB1 Base, (1) battery, (1) AC charger, (1) adjustable carry strap	
RG-1100-Q01	ROGUE OLTS Certifier Quad Module	(1) Quad Module; test port adapters: (2) SC for OLS port, (1) SC and (1) LC for OPM port	
RG-1100-S01-D	ROGUE OLTS Certifier SM Module	(1) SM Module; test port adapters (2) SC for OLS port, (1) SC and (1) LC for OPM port	
RGA-STND-01	ROGUE cB1 Base Kickstand	(1) Kickstand	
RGA-CASE-01	ROGUE Kit Carry Case	(1) Case	
5400-00-0200	ORL Referencing Mandrel	(1) Mandrel	
8400-00-0066MZ	SC UPC terminator for ORL reference	(1) Terminator	
8400-00-0048MZ	FC UPC terminator for ORL reference	(1) Terminator	
RGA-STRAP-01	ROGUE Adjustable Carry Strap	(1) Strap	
4050-00-0132PR	AC charger for ROGUE cB1 Base	(1) AC charger, (specify power cord, see page 58, Table 1)	
4050-00-0918PR	AC charger fpr ROGUE iB1 Base	(1) AC charger, (specify power cord, see page 58, Table 1)	

Connector Adapters for ROGUE Module Test Ports

Note: ROGUE modules are shipped with SC adapter installed on OLS ports and universal 2.5 mm adapters installed on OPM and VFL ports.

Connector Adapters for ROGUE OLTS Certifier Module Test Ports

2900-50-0003MR

2900-52-0005MR

2900-50-0007MR

AFL NO.	Connector Adapter Type	Test Port Usage	
2900-50-0002MR	FC	OLS	
2900-50-0003MR	SC	OLS	
2900-50-0004MR	ST	OLS	
2900-50-0006MR	LC	OLS	
2900-52-0001MR	FC	OPM	
2900-52-0002MR	SC	OPM	
2900-52-0003MR	ST	OPM	
2900-52-0004MR	LC	OPM	
2900-52-0005MR	2.5 mm Universal	OPM	
2900-52-0006MR	1.25 mm Universal	OPM	
2900-50-0007MR	2.5 mm Universal	VFL	
2900-50-0010MR	1.25 mm Universal	VFL	

Encircled Flux (EF) Reference Grade Test Cords

Encircled Flux (EF) requirements (IEC 61280-1-4 and TIA-568-14-B) specify multimode launch conditions at the end of an EF qualified Reference Grade Test Cord (RGTC). Thus, compliance to EF standards requires both, a light source with EF compliant optics and a RGTC. AFL offers RGTCs with a range of connector options. RGTCs are qualified in one direction and marked accordingly (input/output). AFL Reference Grade Test Cords use 50 µm OM4 fiber, red jacketing, and come in 2-meter length. Red jacketing used to distinguish RGTCs from standard multimode fiber jumpers.

AFL NO.	Connectors			AFL NO.	Connectors	
8700-04-0001MR	FC to FC			8700-04-0006MR	SC to SC	
8700-04-0002MR	FC to SC			8700-04-0007MR	SC to LC	
8700-04-0003MR	FC to LC			8700-04-0008MR	SC to ST	
8700-04-0004MR	FC to ST			8700-04-0028MR	LC to LC	
8700-04-0005MR	SC to FC					

MFS- Multi-Fiber Switch

MFS in Carry Holster

Multi-Fiber Switch Certification Add-on Kits

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

		Contains (ea.)			
				Reference Test Cords	
AFL NO.	Add-On Kit	12F MFS Switch	SC-SC, 0.3 (m)	12F MPO-MPO, 2 (m)	
MPO-SM-CERT-ADD	SM, SC/UPC-MPO/APC	(2) SM, SC/UPC-MPO/APC	(2) SM	(2) SM, type A unpinned; (2) SM, type A pinned/unpinned; (1) SM, type B unpinned	
MPO-MM-CERT-ADD	MM, SC/UPC-MPO/UPC	(2) MM, SC/UPC-MPO/UPC	(2) MM	(2) OM4, type A unpinned; (2) OM4, type A pinned/unpinned; (1) OM4, type B unpinned	

Multi-Fiber Switch Models

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. Multi-Fiber Switch is compatible with your OLTS Certification equipment.

Model	Fiber Type	Wavelength Range	Insertion Loss	Optical Return Loss (ORL)	Power
MFS-12-SM	Single-mode	1270 – 1670 nm	2.8 dB typ.; 3.3 dB max.	50 dB min	Li-Ion, USB
MFS-12-MM	OM4 multimode	800 – 1320 nm	1.8 dB typ.; 2.3 dB max.	Not specified	Li-Ion, USB

AFL NO.	Description	
MFS-12-SM-ASC-FR	Multi-Fiber Switch, 12 fibers SM, APC–SC, MPO Fiber Ring (pinned or non-pinned), soft case	
MFS-12-SM-ASC	Multi-Fiber Switch, 12 fibers SM, APC–SC, soft case	
MFS-12-SM-USC	Multi-Fiber Switch, 12 fibers SM, UPC–SC, soft case	
MFS-12-MM-USC	Multi-Fiber Switch, 12 fibers MM, UPC–SC, soft case	

5 YEAR WARRANTY

Optical Loss Test Kits (SLP, SMLP, and CK Series)

Quick Ref Guides (PDF format) are available in Chinese Simplified, Chinese Traditional, French, German, Italian, Japanese, Korean, Portuguese, Spanish and Turkish on www.AFLglobal.com.

Encircled Flux Options for multimode testing. See "Encircled Flux (EF) Compliant Test Kit and Light Source" on page 47.

Specify one source/adapter cap connector type when ordering. All test kits include an optical power meter, optical light source, adapter cap, user's guide, and carry case. Additional adapter caps may be ordered separately (see page 57). For available AC chargers see page 48. SLP and SMLP5 kits also include mandrel, USB cable, and TRM® 2.0 Test Results Manager trace analysis/reporting and certification or OPM loss reporting PC software (Basic License).

SLP5-6

SMLP5-5

CKSM-2

AFL NO.	Power Meter	Light Source	Fiber Type	Loss Measurements (nm)					Dynamic Range (dB)	Available Connectors	Features		
				850	1300	1310	1490	1550			Set Ref.	PC S/W	Auto Dual λ Test
SLP5-6	OPM5-3D	OLS2-DUAL	SM			◆		◆	70[b]	FC, SC, ST, LC	◆	◆	◆
SLP5-FTTH	OPM5-4D	OLS7-FTTH	SM			◆	◆	◆	45[b]	FC, SC, ST, LC	◆	◆	◆
SMLP5-5	OPM5-2D	OLS4	MM SM	◆	◆	◆		◆	40 @850/1300 nm[a] 60 @1310/1550 nm[b]	FC, SC, ST, LC	◆	◆	◆
CKM-2	CSM1-3	CSS1-MM	MM	◆	◆				40[a]	SC (fixed)	◆		
CKS-3	CSM1-3	CSS1-SM	SM			◆		◆	70 @1310/1550 nm	FC, SC	◆		
CKSM-2	CSM1-3	CSS1-MM CSS1-SM	MM SM	◆	◆	◆		◆	40 @850/1300 nm[a] 60 @1310/1550 nm[b]	SC	◆		

Notes:

a. On 62.5/125 µm multimode fiber.

b. On 9/125 µm single-mode fiber.

5 YEAR WARRANTY

Encircled Flux (EF) Compliant Test Kit and Light Source

Since adoption by the IEC, Encircled Flux (EF) multimode launch requirements are increasingly specified into fiber loss testing job requirements. Meeting EF specification requires technicians use EF qualified test sets. It is important to note IEC 61280-1-4 and TIA-568-14-B, specify EF multimode launch conditions at the end of an EF qualified Reference Grade Test Cord (RGTC) – not directly out source test port. EF compliance requires an EF source and RGTC used together.

AFL EF compliant loss test kit

Multimode Test Port: Light Source with designed in Encircled Flux (EF) optics paired with one EF qualified RGTC; 50/125 µm receive test cord

Single-mode Test Port: Light Source with two 9/125 µm test cords (launch/receive)

AFL NO.	Power Meter	Light Source	WL - λ (nm)	Dynamic Range (dB)	Available Connectors		Included 2-meter Test Cords		
					Source Port	Test Cord	Launch (µm)	Receive (µm)	
SMLP5-5-EF-XX-YY	OPM5-2D	OLS4-EF	850, 1300 1310, 1550	40 @850/1300 nm 60 @1310/1550 nm	FC, SC	FC, SC, ST, LC	MM: RGTC, 50/125 SM: 9/125	MM: 50/125 SM: 9/125	

When placing an order, select options as follows:

SMLP5-5-EF — XX — YY

Source port UCI adapter style (XX) ■───────────────────────────■ **Output connector of RGTC (YY) ***

Input connector of RGTC (XX)

XX = FC, SC

YY = FC, SC, ST, LC

* See section "Encircled Flux (EF) Reference Grade Test Cords" (below) to order additional Reference Grade Test Cords.

AFL EF compliant light source

Afl offers OLS4 light source with designed in Encircled Flux (EF) optics supplied with EF qualified RGTC.
Specify RGTC connectors at time of order. OLS4 EF is supplied with one multimode RGTC and one standard 9/125 µm single-mode test cord.

AFL NO.	Wavelengths	Test Cords Included	
OLS4-EF-XX-YY	MM 850/1300 nm SM 1310/1550 nm	(1) RGTC, 50 µm, MM, 2-meter (1) 9/125 µm, SM, 2-meter	

When placing an order, select options as follows:

OLS4-EF — XX — YY

Source port UCI adapter style (XX) ■───────────────────────────■ **Output connector of RGTC (YY)***

Input connector of RGTC (XX)

XX = FC, SC

YY = FC, SC, ST, LC

* See section "Encircled Flux (EF) Reference Grade Test Cords" (below) to order additional Reference Grade Test Cords.

Encircled Flux (EF) Reference Grade Test Cords

Encircled Flux (EF) requirements (IEC 61280-1-4 and TIA-568-14-B) specify multimode launch conditions at the end of an EF qualified Reference Grade Test Cord (RGTC). Thus, compliance to EF standards requires both, a light source with EF compliant optics and a RGTC. AFL offers RGTCs with a range of connector options. RGTCs are qualified in one direction and marked accordingly (input/output). AFL Reference Grade Test Cords use 50 µm OM4 fiber, red jacketing, and come in 2-meter length. Red jacketing used to distinguish RGTCs from standard multimode fiber jumpers.

AFL NO.	Connectors	
8700-04-0001MR	FC to FC	
8700-04-0002MR	FC to SC	
8700-04-0003MR	FC to LC	
8700-04-0004MR	FC to ST	
8700-04-0005MR	SC to FC	

AFL NO.	Connectors	
8700-04-0006MR	SC to SC	
8700-04-0007MR	SC to LC	
8700-04-0008MR	SC to ST	
8700-04-0028MR	LC to LC	

5 YEAR WARRANTY

OLS1-DUAL

OLS2-DUAL

OLS4

OLS7

CSS-SM

LED and Laser Light Sources (OLS and CSS1 Series)

Quick Ref Guides (PDF format) are available in Chinese Simplified, Chinese Traditional, French, German, Italian, Japanese, Korean, Portuguese, Spanish and Turkish www.AFLglobal.com.

Encircled Flux Options for multimode testing. See "Encircled Flux (EF) Compliant Test Kit and Light Source" on page 47

When ordering, specify connector type at the end of model number (e.g. OLS2-DUAL-SC). All OLS models include protective rubber boot and carry case. AC chargers are available (ordered separately), see table below.

Model	Output Wavelengths (nm)						Output Ports	Emitter Type[a]	Output Power (nominal, dBm)	Stability	Wave ID Transmit	Available Connectors	Power	
	850	1300	1310	1490	1550	1625								
OLS1-DUAL	◆	◆					1	LED	-20	± 0.1 dB/8 hrs	◆	FC, SC, ST, LC	(2) AA, AC	
OLS2-DUAL			◆		◆		1	Laser	0[b]	± 0.05 dB/1 hr	◆	FC, SC, ST, LC	(2) AA, AC	
OLS4	◆	◆	◆		◆		2	LED and Laser	-20 @850 &1300 nm 0 @1310 & 1550 nm	± 0.05 dB/1 hr	◆	FC, SC, ST, LC	(2) AA, AC	
OLS7-3			◆		◆	◆	1	Laser	-5	± 0.05 dB/1 hr	◆	FC, SC, ST, LC	(2) AA, AC	
OLS7-FTTH			◆	◆	◆		1	Laser	-5	± 0.05 dB/1 hr	◆	FC, SC, ST, LC	(2) AA, AC	
CSS1-MM	◆	◆					1	LED	-20	± 0.1 dB/1 hr		SC (fixed)	(2) AA	
CSS1-SM			◆		◆		1	Laser	0	± 0.05 dB/1 hr		FC, SC, ST, LC	(2) AA	

Notes:

All Laser output powers are specified into 9/125 µm single-mode fiber.

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

b. Adjustable 2 dB.

OLS AC Chargers

AFL NO.	Description	OLS1-DUAL	OLS2-DUAL	OLS4	OLS7	
4050-00-0919PR	100-240 VAC to 9 VDC, (specify power cord, see page 58, Table 2)	◆	◆	◆	◆	

Connector Adapters (D models starting February 2006)

AFL NO.	Description	OLS1-DUAL	OLS2-DUAL	OLS4	OLS7	CSS1-SM	
2900-50-0002MR	FC adapter	◆	◆	◆	◆	◆	
2900-50-0003MR	SC adapter	◆	◆	◆	◆	◆	
2900-50-0004MR	ST adapter	◆	◆	◆	◆	◆	
2900-50-0006MR	LC adapter	◆	◆	◆	◆	◆	
8800-00-0072PR	Universal flip-top dust cap for UCI outputs	◆	◆	◆	◆		

5 YEAR WARRANTY

OPM4

OPM5

CSM1

Optical Power Meters (OPM and CSM1 Series)

Quick Ref Guides (PDF format) are available in Chinese Simplified, Chinese Traditional, French, German, Italian, Japanese, Korean, Portuguese, Spanish and Turkish on www.AFLglobal.com.
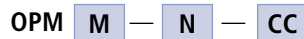
OPM models.
- Select one of the following adapter caps when ordering power meters: 2.5 mm, 1.25 mm, FC, SC, ST, LC.
- OPM5 models include TRM® 2.0 software (Basic License).
- For a list of all available adapter caps, see page 57.

When placing an order, select options as follows:
- Model Number (M)
- Detector Type (N)
- Connector Configuration (CC)

OPM **M** — **N** — **CC**

Model Number (M)
M = 5, 4

Detector Type (N)
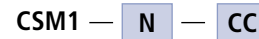**N** = 4, 3, 2, 1

Connector (CC)
CC = FC, SC, ST, LC, 2.5 mm, 1.25 mm (ONE ONLY!)

CSM1 models
- Select one of the following adapter caps when ordering power meters: 2.5 mm, 1.25 mm, FC, SC, ST, LC.
- For a list of all available adapter caps, see page 57.

When placing an order, select options as follows:
- Detector Type (N)
- Connector Configuration (CC)

CSM1 — **N** — **CC**

Detector Type (N)
N = 4, 3, 2, 1

Connector (CC)
CC = FC, SC, ST, LC, 2.5 mm, 1.25 mm (ONE ONLY!)

Model	650	660	780	850	980	1300	1310[a]	1490	1550	1625	Detector Type	Measurement Range (dBm)	Units of Measure	Power	Set Ref.	PC S/W	Wave ID	Tone[b]
OPM4-1D	◆	◆	◆	◆							Silicon	+6 to -70	dB, dBm, W	(2) AA, USB	◆		◆	◆
OPM4-2D				◆		◆	◆	◆	◆		Germanium	+6 to -60	dB, dBm, W	(2) AA, USB	◆		◆	◆
OPM4-3D				◆		◆	◆	◆	◆	◆	InGaAs	+10 to -75	dB, dBm, W	(2) AA, USB	◆		◆	◆
OPM4-4D				◆	◆	◆	◆	◆	◆	◆	InGaAs	+26 to -50	dB, dBm, W	(2) AA, USB	◆		◆	◆
OPM5-2D				◆		◆	◆	◆	◆		Germanium	+6 to -60	dB, dBm, W	(2) AA, USB	◆	USB	◆	◆
OPM5-3D				◆		◆	◆	◆	◆	◆	InGaAs	+10 to -75	dB, dBm, W	(2) AA, USB	◆	USB	◆	◆
OPM5-4D				◆	◆	◆	◆	◆	◆	◆	InGaAs	+26 to -50	dB, dBm, W	(2) AA, USB	◆	USB	◆	◆
CSM1-3				◆		◆	◆	◆	◆	◆	InGaAs	+6 to -70	dB, dBm, W	(2) AA	◆			◆
CSM1-4				◆	◆	◆	◆	◆	◆	◆	InGaAs	+26 to -50	dB, dBm, W	(2) AA	◆			◆

Notes:

a. Optical Power Meters use a common calibration point for 1300 nm (multimode) and 1310 nm (single-mode).

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

OPM Accessories

AFL NO.	Description	OPM4D	OPM5D
6000-00-0024MR	USB Cable: PC (USB-A) to OPM (USB-MINI B): - Connect OPM to PC for data upload to TRM® 2.0 - External Power for OPM (when used with customer supplied USB-A power source)	External power only	Connect to PC and external power

FIBER IDENTIFICATION

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.

MFT Multi-Fiber Tracer	Wavelength	Output Power	Connector Type	Power
MFT	1550 nm ±20 nm	+3 dBm ±1 dB peak into 9/125 µm fiber	MTP®/MPO/APC (unpinned) 12-fiber	2 X AA

MFI Multi-Fiber Identifier	Calibrated Fiber Size and Wavelength	Data Detection Range	Working Fiber Size	Power
MFI	250 µm @1550 nm (SMF-28/28E) ribbon fiber	+2 to -35 dBm	250 µm ribbon fiber	2 X AAA

MFP Multi-Fiber Power Meter	Calibrated Wavelength	Tone Detection	Measurement Range	Power
MFP	Fiber ID mode: 1550 nm OPM mode: 850, 1300, 1310, 1490, 1550, 1625 nm	270 Hz, 330 Hz, 1 kHz, 2 kHz	Fiber ID mode: +10 to -35 dBm OPM mode: +10 to -75 dBm	2 X AA

MFT Multi-Fiber Tracer

MFI Multi-Fiber Identifier

MFP Multi-Fiber Power Meter

MFIS Ordering

AFL NO.	Includes						
	Multi-Fiber Tester			Accessories			
	MFT Tracer	MFI Identifier	MFP Power Meter	12-fiber Cable	One-Clicks	Soft Carry Case	
MFTI-12-BAS	◆	◆		◆	◆	◆	
MFTP1-12-BAS	◆		◆	◆	◆	◆	
MFTIP1-12-BAS	◆	◆	◆	◆	◆	◆	
MFI1-00-0900MR		◆					
MFP1-12-0900MR			◆				

MFIS Kits Order Entry

MFTI-12-BAS-[C]   **MFTP1-12-BAS-[C]**   **MFTIP1-12-BAS-[C]**

[C]	Cable type
ASC	MPO to 12-fiber SC/APC fan-out cable, One-Click Cleaner MPO, One-Click Cleaner Mini-100 SC, ST, FC
USC	MPO to 12-fiber SC/UPC fan-out cable, One-Click Cleaner MPO, One-Click Cleaner Mini-100 SC, ST, FC
ULC	MPO to 12-fiber LC/UPC fan-out cable, One-Click Cleaner MPO, One-Click Cleaner Mini-100 LC/MU

MFIS Accessories

AFL NO.	Description	
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)	

OFI-BIPM Optical Fiber Identifier

Avoid Disrupting Traffic or Damaging Fibers

AFL's OFI-BIPM is an easy-to-use hand-held device that determines if a fiber is live, the transmission direction, and the relative core power. Its best-in-breed sensitivity makes it the only OFI that works on bend insensitive fiber and in a bright sunlight.

A favorite of technicians in the field, OFI-BIPM has a universal head which means there are no adapters to change or lose. The slim front profile makes checking tightly packed fibers easier and the positive-stop trigger ensures the perfect amount of pressure is applied every time.

The OFI-BIPM is nicknamed the "job saver" because it eliminates the possibility of unplugging a live fiber and interrupting service to customers. And its ergonomic design has been described as stunning.

Specifications

- Insertion Loss: 0.2 dB @1310 m
- Detection Sensitivity: -64 dBm @1310 nm, 250 µm fiber
- Power Measurement: +10 to -73 dBm @1550 nm, 250 µm fiber
- Power Supply: 2 x AA batteries; 1.2 to 1.5 V DC
- Battery Life: 8 hours
- Dimensions (W x H x D): 5.0 x 11.5 x 21.2 cm (1.9 x 4.5 x 8.3 in)
- Weight: 230 g (8.1 oz) including battery

Contact sales@AFLglobal.com

OFI-BIPM

OFI-BIPM Optical Fiber Identifier

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

The OFI-BIPM optical fiber identifier is an easy-to-use tool that determines if a fiber is live, the transmission direction, and the relative core power on standard and bend-insensitive single-mode and multimode fibers. Its positive-stop trigger mechanism provides the right amount of pressure every time to assure proper detection, while keeping loss to a minimum. This ensures that traffic will not be interrupted and the fiber will not be damaged. Our full featured OFI-BIPM includes a touch screen, an integrated optical power meter, and several easy-to-select options. The OFI–BIPM includes carry case, batteries, and user's guide.

Model	Fiber Type	Wavelength Range	Power	Detectable Signals	Integrated Power Meter	
OFI-BIPM	MM fiber, 0.25 mm SM and SM ribbon fiber (up to 12 ribbon) 1.1 /1.5 /1.7 /2.0 /3.0 mm SM jacketed fiber	900-1700 nm	(2) AA	CW, Traffic or 270 Hz/1 kHz/2 kHz	◆	

OFI-BIPM Power Meter Port Adapters

AFL NO.	Adapter Type	Test Port	
BIPM-00-FC	FC	OPM (power meter)	
BIPM-00-SC	SC	OPM (power meter)	
BIPM-00-ST	ST	OPM (power meter)	
BIPM-00-LC	LC	OPM (power meter)	
BIPM-00-25	2.5 Universal	OPM (power meter)	

OFI-200D   OFI-400

OFI- 200D and OFI-400 Optical Fiber Identifiers

All OFI models include carry case, batteries, and user's guide.

Model	Fiber Coating Type (recommended)	Wavelength Range (nm)	Insertion Loss (dB) @		Power	Tone (Hz)				Traffic Direction	
			1310 (nm)	1550 (nm)		270	330	1000	2000		
OFI-200D	250 μm, 900 μm, ribbon, 2 mm or 3 mm jacketed	800 - 1700	0.6	2.5	9V				◆	◆	
OFI-400	250 μm, 900 μm, ribbon, 2 mm or 3 mm jacketed	800 - 1700	0.6	2.5	(2) AAA	◆	◆	◆	◆	◆	
OFI-400C	2 mm or 3 mm jacketed	800 - 1700	1.0	2.8	(2) AAA	◆	◆	◆	◆	◆	
OFI-400HP	2 mm or 3 mm jacketed	800 - 1700	0.2 to 0.5	0.8 to 1.3	(2) AAA	◆	◆	◆	◆	◆	

OFI-200D and OFI-400 Accessories

AFL NO.	Test Port	
OFI1-10-0102PR	OFI 200D and OFI-400 plunger, head	
OFI1-10-0216PR	OFI 200D and OFI-400 plunger cover	

VFI4

Compact Long-Range Red Laser Visual Fault Identifier

Visualize defects in your single-mode and multimode fiber optic cables with the press of a button!

Specifications

- Emitter Type: Laser, Class IIIa FDA 21 CFR 1040.10 and 1040.11, IEC, 60825-1:2014
- Wavelength: 650 nm ±15 nm
- Output Power: 5 mW Maximum
- Modulation: 2 Hz or CW selected
- Power 1 AA battery, <30 hours (flash mode)
- Size (H x W x D) 7.9 x 4.7 x 2.2 cm (3.1 x 1.8 x 0.8 in)
- Weight 43 g (1.5 oz)

Visual Fault Identifiers (VFIs), or Visual Fault Locators (VFLs), are used to inject visible light energy into a fiber. AFL's compact VFI4 injects high-powered red-laser light to provide exceptional brightness and range for locating sharp bends, breaks, faulty connectors, and other faults.

The VFI4 is about the size of an automotive key-fob and packs a powerful Class 3R red laser with a 10 km range. It is powered by one universally available AA battery which will last for more than 30 hours in flashing mode.

The VFI4 features a 2.5 mm universal adapter that accepts PC and angled FC, SC, ST, etc. connectors. There is an option for 1.25 mm universal adapter for LC and MU connectors.

Built with the quality you expect from AFL, a leading global supplier of passive fiber optic components for over 30 years, the VFI4 can easily handle the rigors of the field test environment.

Contact your local AFL representative to learn more about the VFI4 and other essential tools for installing, activating and maintaining fiber optic networks.

Contact sales@AFLglobal.com

NEW

VFI4

VFI4 Visual Fault Identifier - coming February 2021!

AFL's compact VFI4 injects high-powered red-laser light to provide exceptional brightness and range for locating defects in single-mode and multimode fibers. During installation and activation, the VFI4 is used for quick continuity checks, fiber tracing, splice verification, and Pass/Fail validation for mechanical connectors. The VFI4 is also an essential troubleshooting tool to find sharp bends, breaks, faulty connectors, and other defects that "leak" light - enabling technicians to quickly spot them. The rugged VFI4 is designed for the rigors of real-life field testing. It has a range of up to 10 km, fits on a keychain, and features extensions that protect the red-laser port. It has both CW and pulsating modes and is powered by a single AA battery for up to 30 hours of operation.

Model	Wavelength	Output Power (into single-mode fiber)	Emitter Type*	Connector Type	Power
VFI4	650 nm	<5 mW, 2 Hz, CW	Laser	Universal 2.5 mm	1 x AA (16 hours)

* Safety: Class IIIR FDA 21 CFR 1040.10 and 1040.11, IEC 60825-1:2007-03.

AFL NO.	Description	
VFI4-01-0900PR	VFI4 with 2.5 mm and 1.25 mm adapters	

VFI4 Accessories

The VFI4 uses one-piece thread-on adapters with a captivated alignment sleeve. For replacements, use part numbers 2900-31-0001MR and 2900-31-0002MR.

AFL NO.	Description	
2900-31-0001MR	2.5 mm Universal adapter for VFI port	
2900-31-0002MR	1.25 mm Universal adapter for VFI port	

MT Tracer Kit

MT Tracer (12-fiber VFI and Display)

The MT Tracer kit includes an MT Tracer Source, MT Tracer Display, and carry case. The MT Tracer Source, which may be used as a multifiber Visual Fault Identifiers provides 12 separately controlled visible lasers. The MT Tracer Display uses passive optics to show the light received on each fiber being traced. The MT Tracer can illuminate a selected fiber or automatically sequence through all 12 fibers. When used together, the MT Tracer Source and Display provide a fast way to trace (verify connectivity) a 12-fiber link. Both Source and Display are equipped with male (pinned) 12-fiber MTP® connectors.

Model	Wavelength	Output Power (into SMF)	Emitter Type*	Connector Type	Power
MT Tracer Source	650 nm	1 mW, 2 Hz or CW	Laser	MTP®	2 AA (40 hours)

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

AFL NO.	Model	Description	
TRCR-90-0900	MT Tracer Kit	MT Tracer Source, MT Tracer Display, and carry case	
TRCR-20-0900	MT Tracer Source	MT Tracer Source	
TRCR-10-0900	MT Tracer Display	Provides eye-safe viewing of visible light	

TEST MANAGEMENT AND REPORTING SOFTWARE

aeROS®

Cloud-based Workflow Management Solution

aeRos® Cloud-based Test Management and Reporting

aeRos is the cloud-based solution that integrates every aspect of your testing process. aeRos lets you set up jobs before a truck ever rolls, monitor data and interact with technicians in real time, complete jobs faster, generate reports more efficiently, and get to revenue sooner.

- Seamless interaction with Android™ applications — push jobs and equipment setup down to tech in the field – no more mistakes and get test results real-time — from anywhere in the world
- Run reports at the push of a button — within seconds of completing the job users can run a report even before the technician leaves the job site
- Licensing — flexible licensing supports individual users to full enterprise solution

aeRos Software Licensing

aeRos solution is available in two options: aeRos BASIC account and aeRos PRO account.

aeRos® BASIC account — Data Management solution that allows users to save their test data in the aeRos Cloud and then retrieve it from anywhere at any time with a standard Internet browser. **aeRos BASIC is free to all owners of AFL's ROGUE modular test equipment.**

aeRos® PRO account — Workflow Management solution that allows users to manage their entire testing workflow and enables seamless and efficient communications and data management. aeRos PRO is available in annual and lifetime License configurations.

AFL NO.	Description	
aeRos-PRO-YRL	(1) Admin or Project Manager Seat plus (10) user seats, 1 year subscription	
aeRos-PRO-LFT	(1) Admin or Project Manager Seat plus (10) user seats, Lifetime subscription	

TRM® 2.0/3.0 Test Results Manager

TRM Test Results Manager, a PC-based software, provides comprehensive test results (OTDR trace, connector inspection, optical loss) test results analysis and reporting. Designed for use with AFL test and inspection products, TRM is available in Basic and Advanced versions. TRM Basic allows technicians to quickly view test results, analyze OTDR traces, view loss or certification results, batch-edit OTDR traces and create acceptance reports conforming to industry guidelines. Reports can be generated showing dual wavelength traces and event tables, end-face image, event map and loss data for each fiber. Users can apply pass/fail thresholds to OTDR events and OLTS measurement; create and apply application rules per industry standards. The OTDR Batch editor allows user to edit and analyze multiple trace files simultaneously. TRM Advanced software includes all Basic software features and adds bi-directional OTDR trace averaging, macrobend detection, and export of .SOR files to .CSV file format. Users may download a TRM full working version (Basic plus Advanced features) and try it for 30 days. Once the evaluation period ends, users will need to acquire TRM Basic or TRM Advanced software to continue to use TRM Test Results Manager.

TRM 2.0 Ordering (for use with M-series and FlexTester OTDRs and OPM5 Power Meter)

AFL NO.	Description	
TRM-00-0900PR	TRM 2.0 with Basic License (OTDR Trace/OLTS Viewer, Batch Editor and Reports), USB delivery	
TRM-01-0900PR	TRM 2.0 with Basic License (OTDR Trace/OLTS Viewer, Batch Editor and Reports), email delivery	
TRM-00-0910PR	TRM 2.0 with Advanced License (TRM 2.0 Basic plus Advanced Analysis), USB delivery	
TRM-01-0910PR	TRM 2.0 with Advanced License (TRM 2.0 Basic plus Advanced Analysis), email delivery	
TRM-00-0920PR	TRM 2.0 upgrade from Basic to Advanced License, USB delivery	
TRM-01-0920PR	TRM 2.0 upgrade from Basic to Advanced License, email delivery	

TRM 3.0 Ordering (for use with FlexScan OTDRs, ROGUE OLTS Certifier, and FOCIS family products)

AFL NO.	Description	
TRM3-BASIC	TRM 3.0 with Basic License (OTDR Trace/OLTS Viewer, Batch Editor and Reports), USB delivery	
TRM3-BA-EMAIL	TRM 3.0 with Basic License (OTDR Trace/OLTS Viewer, Batch Editor and Reports), email delivery	
TRM3-ADVANCED	TRM 3.0 with Advanced License (TRM 3.0 Basic plus Advanced Analysis), USB delivery	
TRM3-AD-EMAIL	TRM 3.0 with Advanced License (TRM 3.0 Basic plus Advanced Analysis), email delivery	
TRM3-UPGRADE	TRM 3.0 upgrade from Basic to Advanced License, USB delivery	
TRM3-UP-EMAIL	TRM 3.0 upgrade from Basic to Advanced License, email delivery	
N/A	FlexScan App download from 'iOS App Store' or 'Google play' store	

www.AFLglobal.com **|** www.AFLglobal.com/Test **|** +1 (800) 235-3423

ADAPTER CAPS & ACCESSORIES

Adapter Caps for OPM Ports and OFS300-200

AFL's standard thread-on adapter caps are used to mate non-angled and angled single-fiber and dual-fiber connectors to optical power meter ports on OPM/CSM series power meters and inspection ports on OFS300-200C microscopes.

AFL NO.	Description	
8800-00-0214	2.5 mm Universal (accepts FC, SC, and ST ferrules)	
8800-00-0224	1.25 mm Universal (accepts LC and MU ferrules)	
8800-00-0200	FC	
8800-00-0209	SC	
8800-00-0202	ST®	
8800-00-0225	LC simplex only	
8800-00-0273PR	LC duplex only[a]	
8800-00-0221	E2000	
8800-00-0203	SMA	
8800-00-0201	D4	

Adapter Caps for OFS300-200 Only

AFL's thread-on angled and multifiber adapter caps are used to mate angled single-fiber as well as angled or non-angled multifiber connectors to our OFS 300-200C microscopes.

Note: Do not use the following adapter caps with our optical power meters or other test sets to measure optical power!

AFL NO.	Description	
8800-00-0220	Angled SC	
8800-00-0218	Angled FC	
8800-00-0229	Angled E2000	
8800-00-0234	MTP®/MPO angled ferrule (8°), typically SM	
8800-00-0233	MTP®/MPO flat ferrule (0°), typically MM	
8800-00-0236	1.25 mm open Universal[b]	
8800-00-0219	2.5 mm open Universal.(accepts SC duplex, OptiTap)	
8800-00-0235	SMC 0°	
8800-00-0244	1.6 mm ferrule (pin)	
8800-00-0248	2.0 mm ferrule (pin)	
8800-00-0227	EC (Radiall)	
8800-00-0226	MU simplex	
8800-00-0219	2.5 mm open Universal.(accepts SC duplex, OptiTap)	
8800-00-0230	MT-RJ (A side only)	
8800-00-0231	MT-RJ (A side or B side)	

Notes:

a. When it is used on OPM, it's recommended for single-mode testing only. The loss measured with this adapter can be up to 1 dB.

b. For Inspecting backplane and duplex connectors with 1.25 mm ferrules such as LC and MU. Not recommended for measuring optical power.

Test Jumpers

AFL NO.	Description	
Multimode Test Jumpers (62.5/125 µm - 2 meters)		
8700-00-0053MR	SC/SC	
8700-00-0045	SC/ST	
8700-00-0003	ST/ST	
Single-mode Test Jumpers (9/125 µm - 2 meters)		
8700-00-0005	FC/FC	
8700-00-0016	FC/ST	
8700-00-0017	ST/ST	
8700-00-0018	SC/SC, G.657) BIF	
8700-00-0021	FC/SC	
8700-00-0022	SC/ST	
8700-00-0032	FC/APC-FC/UPC	
8700-00-0033	SC/APC-FC/UPC	
8700-00-0034	SC/APC-SC/UPC	
8700-00-0046	LC/SC	
8700-00-0192MR	SC/SC	
MPO Test Jumpers		
8700-00-0156MR	MPO(F)-MPO(F), APC, SM, type A, 2 meters	
8700-00-0158MR	MPO(M)-MPO(F), APC, SM, type A, 2 meters	
8700-00-0159MR	MPO(F)-MPO(F), APC, SM, type B, 2 meters	
8700-00-0167MR	MPO(M)-MPO(M), APC, SM, type A, 300 mm	
8700-00-0168MR	MPO(M)-MPO(M), APC, SM, type B, 300 mm	

Mating Adapters

Adapters listed below are recommended for both multimode and single-mode testing.

AFL NO.	Description	
8400-00-0083MR	LC/LC, Simplex	
8400-00-0004MR	FC/FC	
8400-00-0020	ST/ST	
8400-00-0029MR	SC/FC	
8400-00-0045MR	SC/SC	
8400-00-0054	SC/ST	
8400-00-0093MR	MPO-12, key-up/key-up (aligned notch)	
8400-00-0094MR	MPO-12, key-up/key-down (opposed notch)	
8400-00-0105PR	MPO-16, key-up/key-up (aligned notch)	
8400-00-0106PR	MPO-16, key-up/key-down (opposed notch)	

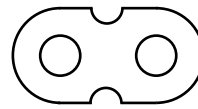## Mandrels for Multimode Link Testing

Mandrels are used to meet the transmit jumper mandrel-wrap requirements of TIA/EIA-568 B.3 (Section 7.1) when testing multimode links using an LED source.

AFL NO.	Description	
5400-00-0201PZ	Mandrel, 62.5 µm fiber, 3 mm jacket	
5400-00-0202PZ	Mandrel, 50 µm fiber, 3 mm jacket	
5400-00-0900PZ	Two mandrels: 62.5 & 50 µm fiber, 3 mm jacket	

Return Loss Test Sets Accessories

AFL NO.	Description	
2475-20-0001MZ	Index Matching Block, simplifies tests (5-pack)	

Power Supply Cords for AC Chargers

3-Conductor Power Cords (for C, CS, FLX, M, OFL Series and FTS, OLTS5, OLS1-1C/2C, T400/500B, VFS2, VOA5 Series)
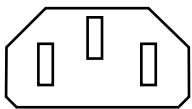
Please specify power cord type (country) when ordering an AC charger. One power cord is included with each AC charger at no charge. Additional power cords may be purchased separately.

Table 1

AFL NO.	Country	Description	
6000-00-0001MR	USA	3-conductor, IEC320, 115V, Type K	
6000-00-0012MR	Euro	3-conductor, IEC320, 250V, Type B	
6000-00-0015MR	UK	3-conductor, IEC320, 250V, Type D	
6000-00-0016MR	Australia, China	3-conductor, IEC320, 250V, Type C	
6000-00-0017MR	Denmark	3-conductor, IEC320, 250V, Type E	
6000-00-0018MR	Japan	2-conductor, IEC320, 125V, Type M	
6000-00-0019MR	Swiss	3-conductor, IEC320, 250V, Type L	
6000-00-0020MR	Italy	3-conductor, IEC320, 250V, Type I	
6000-00-0021MR	Israel	3-conductor, IEC320, 250V, Type H	
6000-00-0022MR	India	3-conductor, IEC320, 250V, Type G	

2-Conductor Power Cords (for OLS1-DUAL, OLS2-DUAL, OLS4, and OLS7)

Please specify power cord type (country) when ordering an AC charger. One power cord is included with each AC charger at no charge. Additional power cords may be purchased separately.

Table 2

AFL NO.	Country	Description	
6000-12-0001MR	USA	2-conductor, IEC 320-C7, Type N	
6000-12-0002MR	Euro	2-conductor, IEC 320-C7, Type A	
6000-12-0003MR	UK	2-conductor, IEC-320-C7, Type D	
6000-12-0004MR	Australia, China	2-conductor, IEC-320-C7, Type P	
6000-12-0005MR	India	2-conductor, IEC-320-C7, Type G	
6000-12-0006MR	Japan	2-conductor, IEC-320-C7, Type M	

Accessories for Discontinued Products

AFL NO.	Description	Model	
C850 OTDR, C840 and C880 Accessories and Connector Adapters			
4050-00-0122PR	Vehicle charger/supply, 18 V, 6.7 A, 120 W		
1400-01-0090PZ	C850 hard carry case		
4050-00-0918PR	AC charger 100-240 VAC to 18 VDC ([a])		
3900-05-0004ME	C850 Li-Ion battery		
4050-30-0005MR	C850 Li-Ion battery charger 90-260 VAC ([b])		
3900-05-0001PE	C840, C880 Li-Ion battery		
6000-00-0027MR	Cable, USB-MINI B (connect to PC)		
TRM-00-0920PR	TRM® 2.0 software upgrade, Basic to Advanced		
8800-00-0072PR	Universal flip-top dust cap for UCI outputs		
2900-50-0002MR	FC adapter for OTDR/OLS port	**C850, C840, C880**	
2900-50-0003MR	SC adapter for OTDR/OLS port		
2900-50-0004MR	ST adapter for OTDR/OLS port		
2900-50-0006MR	LC adapter for OTDR/OLS port		
8800-00-0200	FC adapter for OPM port	**C850**	
8800-00-0209	SC adapter for OPM port		
8800-00-0202	ST® adapter for OPM port		
8800-00-0225	LC adapter for OPM port		
8800-00-0214	2.5 mm adapter for OPM port		
8800-00-0224	1.25 mm adapter for OPM port		
2900-53-0001MR	2.5 mm adapter for VFL port		
2900-53-0002MR	1.25 mm adapter for VFL port		
2900-52-0001MR	FC adapter for OPM port	**C840, C880**	
2900-52-0002MR	SC adapter for OPM port		
2900-52-0003MR	ST adapter for OPM port		
2900-52-0004MR	LC adapter for OPM port		
2900-52-0005MR	2.5 mm Universal adapter for OPM port		
2900-52-0006MR	1.25 mm Universal for OPM port		
2900-50-0007MR	2.5 mm Universal adapter for VFL port		
2900-50-0010MR	1.25 mm Universal adapter for VFL port		
CS260, FLX380, OFL250, OFL280 Series Accessories and Connector Adapters			
6000-00-0024MR	Cable, USB-MINI B (connect to PC)		
4050-00-0927PR	AC charger 100-240 VAC to 15 VDC ([a])		
4050-30-0005MR	Li-Ion battery charger 90-260 VAC ([b])		
3900-05-0003ME	Li-Ion battery pack		
1400-01-0123PZ	Soft carry case		
TRM-00-0920PR	TRM® 2.0 upgrade from Basic to Advanced		
2900-50-0002MR	FC adapter for OTDR/OLS port		
2900-50-0003MR	SC adapter for OTDR/OLS port		
2900-50-0004MR	ST adapter for OTDR/OLS port		
2900-50-0006MR	LC adapter for OTDR/OLS port		
2900-50-0011MR	SC/APC adapter for OTDR/OLS port		
2900-52-0001MR	FC adapter for OPM port		
2900-52-0002MR	SC adapter for OPM port		
2900-52-0003MR	ST adapter for OPM port		
2900-52-0004MR	LC adapter for OPM port		

AFL NO.	Description	Model	
2900-52-0005MR	2.5 mm Universal adapter for OPM port		
2900-52-0006MR	1.25 mm Universal adapter for OPM port		
2900-53-0001MR	2.5 mm Universal adapter for VFL port		
2900-53-0002MR	1.25 mm Universal adapter for VFL port		
8800-00-0072PR	Universal flip-top dust cap for UCI outputs		
OFL200 OTDR Accessories and Connector Adapters			
4050-00-0919PR	AC charger[b], 100-240 VAC to 9 VD		
6000-00-0003MR	Serial cable, DB9/DB9, M/F		
6000-00-0026MR	USB to RS232 DB9 cable		
3900-04-0007ME	NiMH battery pack		
2900-50-0002MR	FC adapter for OTDR port		
2900-50-0003MR	SC adapter for OTDR port		
2900-50-0004MR	ST adapter for OTDR port		
2900-50-0006MR	LC adapter for OTDR port		
2900-50-0007MR	2.5 mm Universal adapter for VFL port		
2900-50-0010MR	1.25 mm Universal adapter for VFL port		
M200 OTDR Accessories			
M200-001-01	M200 Software upgrade from v1.X to v2.X		
1400-01-0075PZ	Hard carry case for M200		
3900-05-0001PE	Li-Ion battery		
4050-00-0918PR	AC charger 100-240 VAC to 18 VDC ([a])		
6000-00-0024MR	Cable, USB-MINI B (connect to PC)		
M210e/M310/M700/M710 OTDR Connector Adapters			
2900-50-0002MR	FC adapter for OTDR port	**M210e, M310, M700, M710**	
2900-50-0003MR	SC adapter for OTDR port		
2900-50-0004MR	ST adapter for OTDR port		
2900-50-0006MR	LC adapter for OTDR port		
2900-50-0011MR	SC/APC adapter for OTDR port	**M710**	
2900-52-0001MR	FC adapter for OPM port	**M210e, M310**	
2900-52-0002MR	SC adapter for OPM port		
2900-52-0003MR	ST adapter for OPM port		
2900-52-0004MR	LC adapter for OPM port		
2900-52-0005MR	2.5 mm Universal for OPM port		
2900-52-0006MR	1.25 mm Universal for OPM port		
2900-50-0007MR	2.5 mm Universal for VFL port		
2900-50-0010MR	1.25 mm Universal for VFL port		
8800-00-0200	FC adapter for OPM port	**M700, M710**	
8800-00-0209	SC adapter for OPM port		
8800-00-0202	ST adapter for OPM port		
8800-00-0225	LC adapter for OPM port		
8800-00-0214	2.5 mm Universal for OPM port		
8800-00-0224	1.25 mm Universal or OPM port		
2900-53-0001MR	2.5 mm Universal adapter for VFL port		
2900-53-0002MR	1.25 mm Universal adapter for VFL port		

Notes:

a. Specify power cord, see page 58, Table 1.

b. Specify power cord, see page 58, Table 2

Accessories for Discontinued Products

AFL NO.	Description	Model	
M210e/M310/M700/M710 OTDR Connector Adapters			
4050-00-0918PR	AC charger[a], 100-240 VAC to 18 VDC	**M210e, M310, M700, M710**	
4050-00-0122PR	Vehicle charger, 18 V, 6.7 A, 120 W		
8800-00-0072PR	Flip-top dust cap for UCI outputs		
TRM-00-0920PR	TRM 2.0 upgrade to Advanced software		
1400-01-0075PZ	Hard carry case	**M210e, M310**	
3900-05-0001PE	Li-Ion battery		
6000-00-0024MR	Cable, USB-MINI B (connect to PC)		
1400-01-0082PZ	Soft carry case	**M700, M710**	
1400-01-0090PZ	Hard carry case		
3900-05-0004ME	Li-Ion battery		
4050-30-0005MR	Li-Ion battery charger 90-260 VAC ([a])		
6000-00-0027MR	Cable, USB-MINI B (connect to PC)		
1400-01-0067	Soft Case	**M200, M210, M210e, M310**	
8800-00-0072PR	Universal flip-top dust cap for UCI outputs	**All Models**	
VS300 Microscope Adapter Caps and Accessories			
OFS300 Microscope Adapter Caps			
8800-00-0214	2.5 mm Universal (accepts FC, SC, and ST ferrules)		
8800-00-0224	1.25 mm Universal (accepts LC and MU ferrules)		
8800-00-0200	FC		
8800-00-0209	SC		
8800-00-0202	ST®		
8800-00-0225	LC simplex only		
8800-00-0273PR	LC duplex only[b]		
8800-00-0221	E2000		
8800-00-0226	MU simplex		
8800-00-0219	2.5 mm open Universal[c] (accepts SC duplex, OptiTap)		
8800-00-0230	MT-RJ (A side only)		
8800-00-0231	MT-RJ (A side or B side)		
8800-00-0203	SMA		
8800-00-0201	D4		
8800-00-0204	Biconic		
8800-00-0211	DIN 47256		
8800-00-0212	Radiall PFO/VFO		
8800-00-0220	Angled SC		
8800-00-0218	Angled FC		
8800-00-0229	Angled E2000		
8800-00-0234	MTP®/MPO angled ferrule (8°), typically SM		
8800-00-0233	MTP®/MPO flat ferrule (0°), typically MM		

AFL NO.	Description	Model	
8800-00-0236	1.25 mm open Universal		
8800-00-0219	2.5 mm open Universal (accepts SC duplex, OptiTap)		
8800-00-0235	SMC 0°		
8800-00-0244	1.6 mm ferrule (pin)		
8800-00-0248	2.0 mm ferrule (pin)		
8800-00-0227	EC (Radiall)		
8800-00-0223	1.0 mm bare fiber (plastic)		
8800-00-0271PR	HP-HFBR-45XX POF Universal		
OFS300 Accessories			
1400-01-0055	Soft Carry case		
1400-01-0025PZ	Holster		
2900-10-0001	Tripod Stand (table top)		
2460-10-0002	Spare LED for OFS300-200B		
SVA1 Accessories and Connector Adapters			
2900-50-0002MR	FC adapter		
2900-50-0003MR	SC adapter		
2900-50-0004MR	ST adapter		
2900-50-0006MR	LC adapter		
8800-00-0072PR	Universal flip-top dust cap for UCI outputs		

Notes:

a. Specify power cord, see page 58, Table 1.

b. When it is used on OPM, it's recommended for single-mode testing only. The loss measured with this adapter can be up to 1 dB.

c. Specify power cord, see page 58, Table 2.

CALIBRATION SERVICES

Servicing your valuable AFL Splicing & Test Equipment at authorized AFL calibration facilities ensures you are getting the most out of your equipment and it is performing accurately. In keeping with ISO certification guidelines, AFL recommends the following calibration intervals for AFL Splicing & Test Equipment products:

- 3-year Calibration Interval for OPM, CSM1, OLS, CSS1, OFI, and VFI products
- 1-year Calibration Interval for all other AFL Splicing & Test Equipment products

Authorized AFL calibration facilities are traceable to the National Institute of Standards and Technology or equivalent.

Category	Model	
OTDRs, FlexTesters	C850*	
	FlexScan® FS300, FS200-50B/-60/-300/-100/-304 without OLS/OPM	
	FlexScan FS300, FS200-50/-60/-300/-100/-304 with OLS/OPM	
	CS260-10, FLX380, M210, M210e, M310, M700, M710, OFL280, OFL250, RG-2100	
	M100*, M200*, CS260-20	
OTDR and Certification Kits	C860*	
Certification and Loss/Return Loss Kits (Pairs)	C840*, C880*	
ROGUE® OLTS Certifier Kits (Pairs)	RGK-CERTxx, RGK-CERTxxB1	
ROGUE OLTS Certifier Modules	RG-1100-xxx	
Power Meters	CSM1, OPM, MFP	
Light Sources	CSS1, OLS, MFT	
Light Sources - Encircled Flux (EF) Compliant	OLS1-DL-EF, OLS4-EF	
Network Simulators	NS1, NS2, NSR	
Optical Fiber Identifiers	OFI, MFI	
Network Activation Kits	TACT1	
Visual Fault Identifiers	HiLite, VFI2, VFI4	

Notes:

1. ***This product is supported for calibration service only. Repair service is no longer supported on this product due of the lack of availability of the components needed to make repairs. This product must be in fully functional condition in order to be calibrated. Any of these products that are sent in for calibration that are not in good working condition will be charged an evaluation fee and sent back to the customer without calibration.

2. The following products are no longer supported for repair or calibration: FTS3, FTS, M600, OFL100, OFL200, OLTS2, OLTS3, OLT4, OLTS5, OPM3, ORL3, ORL3B, T400, T500B, WSP, VOA4, VOA5, VOA-SM.

Calibration and Repair Facilities

AFL has an authorized calibration/repair facility for AFL products in the USA, Europe and Asia Pacific. Please contact customer service for a return authorization number prior to sending your AFL test equipment in for repair or calibration.

Fujikura Europe LTD is an Authorized European Repair and Calibration facility for AFL Test and Inspection products and should be contacted directly for service.

Fujikura Asia LTD is an Authorized Asia Pacific Calibration facility for AFL Test and Inspection products and should be contacted directly for product calibrations.

USA
AFL
260 Parkway East
Duncan, SC 29334
Attn: Calibration and Repair
(800)866-3602
https://www.aflglobal.com

Canada
Simbol Test Systems Inc.
616 Auguste-Mondoux
Gatineau QC J9J3K3
Canada
(819)770-7771
sales@simbol.ca
https://simbol.ca

Poland
INTERLAB
Kosiarzy 37/20 street
02-953 Warsaw, Poland
+48 840 8180
service@interlab.pl
https://www.interlab.pl/service.html

Romania
TeleGrup
8A, Episcopul Radu Street
Sector 2, 020753
Bucuresti, Romania
+40 21 318 7431
vanzari@tele-grup.ro
www.tele-grup.ro

Europe
Fujikura Europe Ltd
C51 Barwell Business Park
Leatherhead Road
Chessington, Surrey, KT9 2NY
+44 208 240 2020
service@fujikura.co.uk
https://www.fujikura.co.uk

Saudi Arabia
BrightWires
Qaatan Plaza 1st Floor
PO Box 56219
Sulimaniya Riyadh 11554
Saudi Arabia
+966 11 2176265
asim@brightwires.com.sa
http://www.brightwires.com.sa

Dubai
Arabian Calibration Dev. Rep. Co. LLC
(ARABCAL)
Industrial Area #13
Near National Paints R/A,
P.O.Box: 24650, Sharjah
UAE
+971 6 5345747
cs@arabcal.com
http://www.arabcal.com

Asia
Fujikura Asia Ltd
438A Alexandra Road, #08-03 Blk A,
Alexandra TechnoPark
Singapore 119967
+65 62711312
calibration.fal@sg.fujikura.com
http://www.fujikura.com.sg

Turkey
BS Telekom Ltd.
Erenkoy Mah. Igdelidere Cad. 1494. Sok. No. 12
38050 Melikgazi- Kayseri Turkey
+90 352 222 82 03
s.ugur@bstelekom.com
http://www.bstelekom.com

Australia / New Zealand
AFL Technical Services
93-97 Merrindale Drive
Croydon, Victoria
Australia, 3136
+61 3 9737 4209
austechservices@aflglobal.com
https://www.aflglobal.com

Prepaid Calibration Plans

Recommended Calibration Interval for AFL Test & Inspection products

In keeping with ISO certification guidelines, AFL recommends the following calibration intervals for AFL Test & Inspection products:

- 3-year Calibration Interval for OPM, CSM1, OLS, CSS1, OFI, and VFI products
- 1-year Calibration Interval for all other AFL Test & Inspection products

AFL provides calibration recommendations as guidance for our customers. It is the responsibility of customers to determine actual calibration intervals used comply with internal corporate ISO requirements. Additionally, contractors providing services may be held to more frequent calibration intervals per contractual agreements with their customers. AFL recognizes many customers prefer annual calibration for all their Test and Inspection instruments. To support our customers AFL offers pre-paid calibration plans for AFL Test & Inspection products. Pre-paid plans allow customers to factor two annual calibrations into initial purchase order ensuring they will have a calibrated tool for three years without the hassle (and potential delay) of seeking internal purchase approval for necessary future calibrations. Annual calibrations performed at AFL calibration facilities ensure that you are getting the most out of your test equipment and that your equipment is operating at AFL specifications.

Cal Plans

- Two calibrations at a discounted price
- Return freight paid by AFL / Authorized Service Center

Cal Plus Plans

- Cal Plan benefits plus addition of a 2 year extended warranty.
- Return freight paid by AFL / Authorized Service Center

    Note: Cal & Cal Plus Plan part numbers and pricing can be found in sections "Cal Plans Ordering (products covered with (1) one year warranty)" and "Cal Plans Ordering (products covered with (5) five years warranty)".

Cal Plans Ordering (products covered with (1) one year warranty)

Product	Model	2-year Cal plan AFL NO.		2-year Cal Plus plan AFL NO.	
FlexScan® FS200 Series	FS200-50B-BAS-P0-W0	CAL2-00-FS-50-BA-P0		CAL2-01-FS-50-BA-P0	
	FS200-50B-BAS-P1-W1	CAL2-00-FS-50-BA-P1		CAL2-01-FS-50-BA-P1	
	FS200-100-BAS-P0-W0	CAL2-00-FS-100-BA-P0		CAL2-01-FS-100-BA-P0	
	FS200-100-BAS-P1-W1	CAL2-00-FS-100-BA-P1		CAL2-01-FS-100-BA-P1	
	FS200-300-BAS-P0-W1	CAL2-00-FS-300-BA-P0		CAL2-01-FS-300-BA-P0	
	FS200-300-BAS-P1-W1	CAL2-00-FS-300-BA-P1		CAL2-01-FS-300-BA-P1	
	FS200-304-BAS-P0-W1	CAL2-00-FS-304-BA-P0		CAL2-01-FS-304-BA-P0	
	FS200-304-BAS-P1-W1	CAL2-00-FS-304-BA-P1		CAL2-01-FS-304-BA-P1	
	FS200-50B-PLUS-P0-W0	CAL2-00-FS-50-PL-P0		CAL2-01-FS-50-PL-P0	
	FS200-50B-PLUS-P1-W1	CAL2-00-FS-50-PL-P1		CAL2-01-FS-50-PL-P1	
	FS200-100-PLUS-P0-W0	CAL2-00-FS-100-PL-P0		CAL2-01-FS-100-PL-P0	
	FS200-100-PLUS-P1-W1	CAL2-00-FS-100-PL-P1		CAL2-01-FS-100-PL-P1	
	FS200-300-PLUS-P0-W1	CAL2-00-FS-300-PL-P0		CAL2-01-FS-300-PL-P0	
	FS200-300-PLUS-P1-W1	CAL2-00-FS-300-PL-P1		CAL2-01-FS-300-PL-P1	
	FS200-304-PLUS-P0-W1	CAL2-00-FS-304-PL-P0		CAL2-01-FS-304-PL-P0	
	FS200-304-PLUS-P1-W1	CAL2-00-FS-304-PL-P1		CAL2-01-FS-304-PL-P1	
	FS200-50B-PRO-P0-W0	CAL2-00-FS-50-PR-P0		CAL2-01-FS-50-PR-P0	
	FS200-50B-PRO-P1-W1	CAL2-00-FS-50-PR-P1		CAL2-01-FS-50-PR-P1	
	FS200-100-PRO-P0-W0	CAL2-00-FS-100-PR-P0		CAL2-01-FS-100-PR-P0	
	FS200-100-PRO-P1-W1	CAL2-00-FS-100-PR-P1		CAL2-01-FS-100-PR-P1	
	FS200-300-PRO-P0-W1	CAL2-00-FS-300-PR-P0		CAL2-01-FS-300-PR-P0	
	FS200-300-PRO-P1-W1	CAL2-00-FS-300-PR-P1		CAL2-01-FS-300-PR-P1	
	FS200-304-PRO-P0-W1	CAL2-00-FS-304-PR-P0		CAL2-01-FS-304-PR-P0	
	FS200-304-PRO-P1-W1	CAL2-00-FS-304-PR-P1		CAL2-01-FS-304-PR-P1	
	FS200-50B-BI-P1-W1	CAL2-00-FS-50-BI		CAL2-01-FS-50-BI	
	FS200-100-BI-P1-W1	CAL2-00-FS-100-BI		CAL2-01-FS-100-BI	
	FS200-300-BI-P1-W1	CAL2-00-FS-300-BI		CAL2-01-FS-300-BI	
	FS200-304-BI-P1-W1	CAL2-00-FS-304-BI		CAL2-01-FS-304-BI	
	FS200-50B-BIPM-P1-W1	CAL2-00-FS-50-BIPM		CAL2-01-FS-50-BIPM	
	FS200-100-BIPM-P1-W1	CAL2-00-FS-100-BIPM		CAL2-01-FS-100-BIPM	
	FS200-300-BIPM-P1-W1	CAL2-00-FS-300-BIPM		CAL2-01-FS-300-BIPM	
	FS200-304-BIPM-P1-W1	CAL2-00-FS-304-BIPM		CAL2-01-FS-304-BIPM	
FlexScan® FS300 Series	FS300-325-BAS-P0-W1	CAL2-00-FS2-325-BAP0		CAL2-01-FS2-325-BAP0	
	FS300-325-BAS-P1-W1	CAL2-00-FS2-325-BAP1		CAL2-01-FS2-325-BAP1	
	FS300-325-PLUS-P0-W1	CAL2-00-FS2-325-PLP0		CAL2-01-FS2-325-PLP0	
	FS300-325-PLUS-P1-W1	CAL2-00-FS2-325-PLP1		CAL2-01-FS2-325-PLP1	
	FS300-325-PRO-P0-W1	CAL2-00-FS2-325-PRP0		CAL2-01-FS2-325-PRP0	
	FS300-325-PRO-P1-W1	CAL2-00-FS2-325-PRP1		CAL2-01-FS2-325-PRP1	
	FS300-325-BI-P1-W1	CAL2-00-FS2-325-BI		CAL2-01-FS2-325-BI	
	FS300-325-BIPM-P1-W1	CAL2-00-FS2-325-BIPM		CAL2-01-FS2-325-BIPM	
FlexScan® TS100-60/70	TS100-60/70-BAS-P1-Wn	CAL2-00-TS-P1		CAL2-01-TS-BA-P1	
	TS100-60/70-PLUS-P1-Wn			CAL2-01-TS-PL-P1	
	TS100-60/70-PRO-P1-Wn			CAL2-01-TS-PR-P1	
	TS100-60/70-BAS-P2-Wn	CAL2-00-TS-P2		CAL2-01-TS-BA-P2	
	TS100-60/70-PLUS-P2-Wn			CAL2-01-TS-PL-P2	
	TS100-60/70-PRO-P2-Wn			CAL2-01-TS-PR-P2	

Cal Plans Ordering (products covered with (1) one year warranty)

Product	Model	2-year Cal plan		2-year Cal Plus plan	
		AFL NO.		AFL NO.	
MFIS Multi-Fiber Identification System	MFT	CAL2-00-MFT1		CAL2-01-MFT1	
	MFI	CAL2-00-MFI1		CAL2-01-MFI1	
	MFP	CAL2-00-MFP1		CAL2-01-MFP1	
OFI-BIPM Optical Fiber Identifier	OFI-BIPM	CAL2-00-OFI-BIPM		CAL2-01-OFI-BIPM	
Rogue OLTS/CERT Series	RG-1100-Q01	CAL2-00-RG-1100-Q01		CAL2-01-RG-1100-Q01	
	RG-1100-S01-D	CAL2-00-RG-1100-S1D		CAL2-01-RG-1100-S1D	
	RG-1100-M01-D	CAL2-00-RG-1100-M1D		CAL2-01-RG-1100-M1D	

Cal Plans Ordering (products covered with (5) five years warranty)

Product	Model	AFL NO.	
Contractor Series Loss Test Kits	CKM-2	CAL2-00-CKM2	
	CKSM-2	CAL2-00-CKSM2	
	CKS-3	CAL2-00-CKS-3	
CSM1 Power Meters	CSM1-3	CAL2-00-CSM1-3	
	CSM1-4	CAL2-00-CSM1-4	
CSS1 Light Sources	CSS1-MM	CAL2-00-CSS1-MM	
	CSS1-SM	CAL2-00-CSS1-SM	
Encircled Flux Light Sources	OLS4-EF	CAL2-00-OLS4-EF	
OFI-200, OFI-400 Optical Fiber Identifiers	OFI-200D	CAL2-00-OFI-200D	
	OFI-400	CAL2-00-OFI-400	
	OFI-400C	CAL2-00-OFI-400C	
	OFI-400HP	CAL2-00-OFI-400HP	
OLS Light Sources	OLS1-DUAL	CAL2-00-OLS1-DUAL	
	OLS2-DUAL	CAL2-00-OLS2-DUAL	
	OLS4	CAL2-00-OLS4	
	OLS7-3	CAL2-00-OLS7-3	
	OLS7-FTTH	CAL2-00-OLS7-FTTH	
OPM Power Meters	OPM4-1	CAL2-00-OPM4-1	
	OPM4-2	CAL2-00-OPM4-2	
	OPM4-3	CAL2-00-OPM4-3	
	OPM4-4	CAL2-00-OPM4-4	
	OPM5-2	CAL2-00-OPM5-2	
	OPM5-3	CAL2-00-OPM5-3	
	OPM5-4	CAL2-00-OPM5-4	
SLP Loss Test Kits	SLP5-6	CAL2-00-SLP5-6	
	SLP5-6D	CAL2-00-SLP5-6D	
	SLP5-7	CAL2-00-SLP5-7	
	SLP5-FTTH	CAL2-00-SLP5-FTTH	
	SLP5-FTTX	CAL2-00-SLP5-FTTX	
SMLP Loss Test Kits	SMLP5-5	CAL2-00-SMLP5-5	
Encircled Flux SMLP Loss Test Kits	SMLP5-5-EF	CAL2-00-SMLP5-5-EF	

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February 19, 2021

Extended Warranty Options

Standard Warranty

- CSM1, CSS1, OPM, OLS, OFI-200, OFI-400 products are warranted against defective material and workmanship for a period of (5)* five years from the date of delivery to the end user.
- All other AFL products are warranted against defective material and workmanship for a period of (1) one year from the date of delivery to the end user.
- Any product that is found defective within the warranty period will, at the discretion of AFL, be repaired or replaced. Warranty will be voided if the product has been repaired or altered by other than an authorized AFL product repair facility, if the void sticker has been compromised, or which have been subject to misuse, negligence, or accident. In no case shall AFL liabilities exceed the original purchase price.

* Note: Wear items such as OFI plungers are warrantied for a period of (1) one year.

Extended Warranties for Products Offered with One Year Warranty

		1 - Year Extended Warranty		2 - Year Extended Warranty		4 - Year Extended Warranty	
		Part Number		Part Number		Part Number	
		EW1Y-00-0907		EW2Y-00-0907		EW4Y-00-0907	
		EW1Y-00-0906		EW2Y-00-0906		EW4Y-00-0906	
		EW1Y-00-0905		EW2Y-00-0905		EW4Y-00-0905	
		EW1Y-00-0904		EW2Y-00-0904		EW4Y-00-0904	
		EW1Y-00-0903		EW2Y-00-0903		EW4Y-00-0903	
		EW1Y-00-0902		EW2Y-00-0902		EW4Y-00-0902	
		EW1Y-00-0901		EW2Y-00-0901		EW4Y-00-0901	

Extended warranties add to standard warranty providing complete warranty time period

Example: 1 yr standard + 4 yr extended = 5 yr warranty coverage

TERMS AND CONDITIONS

1. **PRICES:** All prices set forth are suggested selling prices, FOB Duncan, SC for domestic shipments and FCA Duncan, SC for international shipments. All prices and specifications are subject to change without notice. Contact our Sales Department to confirm price and delivery.

2. **ORDER ENTRY:** Minimum order $250.00.

3. **TERMS OF PAYMENT:** Terms of payment shall be net within thirty (30) days from date of invoice with approved credit.

4. **SHIPMENTS**: When a carrier is not specified, shipment will be made by the best surface-carrier available. RUSH ORDERS will be shipped as authorized. The customer shall bear the risk of in-transit loss or damage.

5. **CANCELLATION:** Unless otherwise agreed, in the event of cancellation, AFL shall be reimbursed for all expenses incurred.

6. **PACKING:** All instruments shall be packed for shipment in accordance with standard commercial practices for protection during shipment and storage.

7. **WARRANTY:**
   - OPM, OLS, OFI-200, OFI-400 products are warranted against defective material and workmanship for a period of (5)* five years from the date of delivery to the end user.
   - All other AFL products are warranted against defective material and workmanship for a period of (1) one year from the date of delivery to the end user.
   - Any product that is found defective within the warranty period will, at the discretion of AFL, be repaired or replaced. Warranty will be voided if the product has been repaired or altered by other than an authorized AFL product repair facility, if the void sticker has been compromised, or which have been subject to misuse, negligence, or accident. In no case shall AFL liabilities exceed the original purchase price.
   - *** Note: Wear items such as OFI plungers are warrantied for a period of (1) one year.**

8. **RETURN:** A Return Materials Authorization (RMA) number must be issued to the customer prior to accepting any products for return. Credit will be issued only on current merchandise, in re-saleable condition. Obsolete or discontinued products may not be returned for credit. Any material returned after 30 days of the original invoice date will be subject to a 20% restocking fee. No materials may be returned beyond 6 months from the original invoice date.

9. **REPAIR/CALIBRATION:** All calibration and repair orders are accepted by phone and need to be confirmed by purchase order. When shipping equipment for repair/calibration please include the service request number issued by Customer Service/Technical Support, a complete description of the fault condition, all connector adapters and dust caps to protect the connectors and contact information in case additional information is required. All chemicals should be removed from equipment case before sending in for repair or calibration. Minimum repair evaluation fee $150.

   Some older AFL products are no longer supported or supported for calibration services only. Products supported for calibration services only must be in fully functional condition to be calibrated. Any of these products that are sent in for calibration that are not in good working condition will be charged an evaluation fee and sent back to the customer without calibration.

   Upon completion of the service requested, prompt payment is expected. Completed service requests not paid within 60 days of request will be charged an additional storage fee of $45 per month for each month or portion thereof that payment has not been received.

Notes:
- Unless otherwise specified all connectors are Ultra Physical Contact (UPC).
- ST is a registered trademark of Lucent Technologies.
- ESCON is a registered trademark of IBM.
- MTP is a registered trademark of US Conec Ltd.
- MPX is a registered trademark of TYCO Electronics Corp.

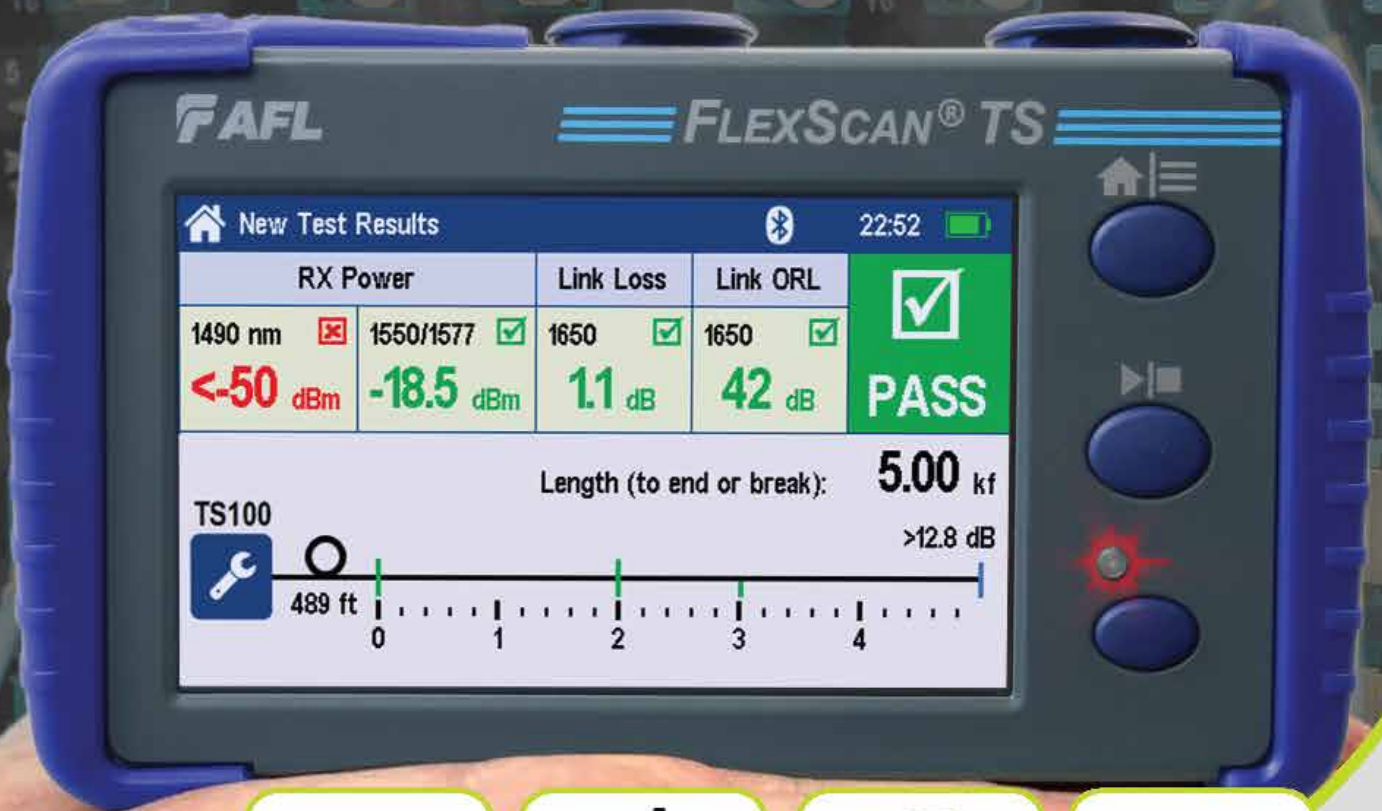# CHANGES IN THE CURRENT REVISION, JANUARY 2021

New Products and Services

AFL NO.	Description		Page
VFI4 Visual Fault Identifier			
VFI4-01-0900PR	VFI4 with 2.5 mm and 1.25 mm adapters		55
2900-31-0001MR	2.5 mm Universal adapter for VFI port		55
2900-31-0002MR	1.25 mm Universal adapter for VFI port		55
MPO Test Jumpers			
8700-00-0156MR	MPO(F)-MPO(F), APC, SM, type A, 2 meters		58
8700-00-0158MR	MPO(M)-MPO(F), APC, SM, type A, 2 meters		58
8700-00-0159MR	MPO(F)-MPO(F), APC, SM, type B, 2 meters		58
8700-00-0167MR	MPO(M)-MPO(M), APC, SM, type A, 300 mm		58
8700-00-0168MR	MPO(M)-MPO(M), APC, SM, type B, 300 mm		58

Removed Products

AFL NO.	Description
Optical Loss Test Kits (SLP, SMLP, and CK Series)	
MLP4-2D	MM Optical Loss Test Kit
MLP5-2D	MM Optical Loss Test Kit
SLP4-6	SM Optical Loss Test Kit
SLP4-6D	SM Optical Loss Test Kit
SLP4-7	SM Optical Loss Test Kit
SLP4-FTTH	SM Optical Loss Test Kit
SLP4-FTTx	SM Optical Loss Test Kit
SLP5-6D	SM Optical Loss Test Kit
SLP5-7	SM Optical Loss Test Kit
SLP5-FTTx	SM Optical Loss Test Kit
SMLP4-4	SM and MM Optical Loss Test Kit
CKM-2	MM Optical Loss Test Kit
CKS-2	SM Optical Loss Test Kit
Encircled Flux (EF) Compliant Test Kits and Light Sources	
SMLP4-4-EF-XX-YY	SM and MM Encircled Flux (EF) Compliant Test Kit
MLP5-2-EF-XX-YY	MM Encircled Flux (EF) Compliant Test Kit
MLP4-2-EF-XX-YY	MM Encircled Flux (EF) Compliant Test Kit
OLS1-DL-EF-XX-YY	Encircled Flux (EF) Compliant Light Source
Encircled Flux (EF) Modal Conditioners	
8700-06-0001MR	50/125 µm, FC input to FC output
8700-06-0002MR	62.5/125 µm, FC input to FC output
8700-06-0003MR	50/125 µm, SC input to SC output
8700-06-0004MR	62.5/125 µm, SC input to SC output
8700-06-0005MR	50/125 µm, SC input to LC output

AFL NO.	Description	
8700-06-0006MR	62.5/125 µm, SC input to LC output	
LED and Laser Light Sources		
OLS1-2C	MM Source	
OLS1-2C	SM Source	
Optical Power Meters		
CSM1-1	Power Meter	
CSM1-2	Power meter	
HiLite and VFI2 Series Visual Fault Identifiers		
VFI3-00-0900PR	HiLite with 2.5 mm adapter	
VFI3-01-0900PR	HiLite with 2.5 mm & 1.25 mm adapters	
VFI2-00-0900PR	VFI2 with 2.5 mm adapter	
VFI2-01-0900PR	VFI2 with 2.5 mm & 1.25 mm adapters	
Accessories		
1400-01-0095PZ	Field portable duffle bag.	
8800-00-0204	Biconic	
8800-00-0211	DIN 47256	
8800-00-0212	Radiall PFO/VFO	
8800-00-0223	1.0 mm bare fiber (plastic) adapter	
8800-00-0271PR	HP-HFBR-45XX POF Universal adapter	

FTS1 and FTS2 Accessories		
4050-00-0911	AC charger 90-264VAC/9VDC [a]	
2900-50-0002MR	FC adapter	
2900-50-0003MR	SC adapter	
2900-50-0004MR	ST adapter	FTS2
2900-50-0006MR	LC adapter	
8800-00-0072PR	Dust cap for UCI outputs	

TEST & INSPECTION