Be ready for anything with this all-in-one solution

Features

- Multimode and Single-mode OTDR, including PON test
- SmartAuto® 1-button automated testing for fast results
- Pocket-sized, weighs less than 1 pound, 12-hour battery
- LinkMap® color-coded icons for easy troubleshooting
- · Integrated Source, Power Meter and VFL
- Robust reporting including Print-to-PDF
- · Available with field-replaceable connector

Applications

- · OTDR and insertion loss test and reporting
- Fast, accurate Pt-to-Pt and PON verification and troubleshooting
- Locate faults exceeding industry or user pass/fail thresholds
- Visually pinpoint location of macrobends or breaks



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

All-in-one test capability: The FlexScan FS300 includes an integrated VFL, power meter and light source. It can be easily paired to AFL's award-winning FOCIS family of inspection scopes for single-fiber and/or MPO and OptiTip® multifiber inspection, ensuring technicians have everything they need to locate and resolve optical network issues.

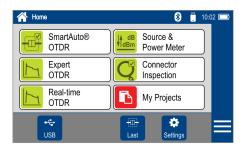
Performance-packed: With SmartAuto automated multi-pulse acquisition, 37 dB dynamic range and best-in-class dead zones, FlexScan Quad OTDRs test multimode and single-mode networks – including FTTH PONs and POLANs up to 1:64 split ratio – while still detecting and measuring events <2 meters apart.

User-friendly: The FS300 enables both expert and novice technicians to quickly and accurately detect, locate, identify and measure optical network components and faults. It applies industry-standard or user-set pass/fail criteria and displays results using LinkMap color-coded icons that immediately show the health of the network.

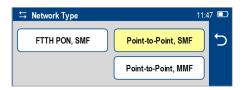
Pocket-sized: The FlexScan FS300's small form factor still delivers 12-hour battery operation plus a large, bright, indoor/outdoor, 5-inch 800 x 480 touchscreen display that doesn't need a stylus.

Multiple sharing and reporting options: Results can be stored internally, saved to a USB, and downloaded via USB cable or Bluetooth (via Flex App). Reports can be generated directly from the unit using Print-to-PDF feature, or downloaded results can be reported using the included FlexReports™ Test Results Manager software. Reports can also be viewed on AFL's FlexApp.

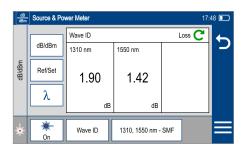
Field-replaceable connector: With AFL's optional field-replaceable connector, avoid expensive service repairs to replace connectors damaged due to poor cleaning practices and/or normal wear-and-tear.











Dramatically Reduces Test Time

In SmartAuto mode, FlexScan OTDRs automatically analyze and test the network using a variety of network-optimized settings to precisely locate, characterize and identify network events with one button push. Loss and reflectance are measured for connectors, splices, splitters and macro-bends. FlexScan even checks for live fiber and verifies OTDR launch quality before initiating a test.

Simplifies Network Troubleshooting

LinkMap® color-coded icons enable even novice users to easily and accurately troubleshoot optical networks. LinkMap clearly identifies fiber start, end, connectors, splices, PON splitters, and macro-bends.

A LinkMap Summary provides end-to-end link length, loss and ORL. Loss and reflectance of detected events is compared to industry-standard or user-defined pass/fail thresholds and displayed with clear pass/fail indications. Users can instantly toggle between LinkMap and Trace views.

Multimode and Single-mode plus PON Testing in One OTDR

FlexScan Quad OTDRs are the ideal test tool for verifying and/or maintaining both single-mode and multimode networks. Unlike most Quad OTDRs, FS300 OTDRs test both point-to-point networks and FTTH PONs/Passive Optical LANs (POLANs).

Connectivity

FlexScan OTDRs easily pair with AFL's ward-winning FOCIS® family of connector inspection probes for fast, easy single-fiber and/or multi-fiber connector end-face inspection. Images and pass/fail results can be transferred to the FlexScan for display and/or archiving with OTDR results.

FlexScan results can be transferred wirelessly via the free FlexApp to a smart device for real-time reporting using the included Windows-based FlexReports™ Test Results Manager software. Monitoring test results in real-time can detect mistakes while the tech is still in the field, preventing future truck rolls.

OTDR, OLTS, and VFL Testing with a Single Tool

FlexScan optionally includes a Wave ID optical light source (OLS) and optical power meter (OPM). With Wave ID, the OPM auto-synchronizes to a single or multi-wavelength Wave ID optical signal transmitted by an AFL light source. The OPM reports detected wavelengths and measures power and loss at each wavelength, saving significant test time and eliminating setup errors.

The integrated Visual Fault Locator's eye-safe red laser enables users to visually pinpoint the location of macro-bends and fiber breaks often found in splice closures and fiber cabinets.

Specifications^a

OTDR	Multimode	Single-mode
Emitter Type	Laser	
Safety Class ^b	Class I	
Fiber Type	Multimode; compatible with OM1-OM5	Single-mode; compatible with all G.65x
Wavelengths	850/1300 ±20 nm	1310/1550 ±20 nm
Network Type	Point-to-point	Point-to-point & PON up to 1:64
Connector Type	User-specified APC or UPC ferrule with interchangeable UCI adapters	
Dynamic Range ^d	≥29/29 dB @ 850/1300 nm	≥37/35 dB @ 1310/1550 nm
Event Dead Zone ^e	≤0.8 m @ 850/1300 nm typical	≤0.8 m @ 1310/1550 nm typical
Attenuation Dead Zone ^f	≤3.0 m	≤3.5 m
PON Dead Zone ⁹	Not applicable	≤25 m
Pulse Widths	3, 5, 10, 20, 30, 50, 100, 200, 300, 500 ns	3, 5, 10, 20, 30, 50, 100, 200, 300, 500 ns; 1, 2, 3, 5, 10, 20 μs
Range Settings	250 m to 30 km	250 m to 240 km
Data Points	Up to 300,000	
Data Spacing	≥5 cm to ≤16 m	
Group Index of Refraction	1.3000 to 1.7000	
Distance Uncertainty	\pm (1 + 0.0025% x distance + data point spacing) m	
Linearity	±0.03 dB/dB	
Loss Resolution	0.001 dB	
Reflectance Range	850 nm: -20 to -58 dB; 1300 nm: -20 to -63 dB	1310/1550 nm: -20 to -65 dB
Reflectance Resolution	0.01 dB	
Reflectance Accuracy	±2 dB	
ORL Range	20 to 60 dB	
ORL Resolution	0.01 dB	
ORL Accuracy	± 2 dB over range 30 to 55 dB; ± 4 dB over range 20-30 dB and 55-60 dB	
Trace File Format	.SOR, Telcordia SR-4731 Issue 2	
OTDR Results Storage	Internal or external USB memory	
Internal Storage	Minimum 4 GB internal non-volatile memory (App SW + >5000 traces typical)	
Internal Launch Fiber	≥30 m internal MM launch fiber ≥50 m internal SM launch fiber	
OTDR Modes	Supports SmartAuto, Expert, Real-Time for PON & point-to-point networks	
Real-time Refresh Rate	1 to 4 Hz	
Live Fiber Protection	No OTDR damage when connected to live fiber delivering ≤ +18 dBm at wavelength(s) in range 825 to 1675 nm	
Live Fiber Detection	Reports live fiber with input signal ≥ -35 dBm for wavelength(s) in range 825 to 1675 nm	

Notes:

- a. All specifications valid at 25 $^{\circ}\text{C}$ unless otherwise specified.
- b. FDA 21 CFR 1040.10 & 1040.11, IEC 60825-1: 2014.
- c. Measured with laser in CW mode at 23 $^{\circ}$ C ± 3 $^{\circ}$ C.
- d. SNR=1, longest range and pulse width, 3 minute averaging.
- e. Maximum distance between two points 1.5 dB down each side of a reflective peak caused by an event with a -45 dB (or smaller) reflectance. Test pulse width is 3 or 5 ns.
- f. Maximum distance from the start of a trace spike caused by an event with a -45 dB (or smaller) reflectance, to the point where the trace returns to and stays within ±0.5 dB of backscatter. Test pulse width is 3 or 5 ns.
- g. Recovery to within 0.5 dB of backscatter after 1:16 splitter (≤13 dB loss) using 100 ns pulse width.



Specifications^a

OPM - Optical Powe	OPM - Optical Power Meter (P1 Option)		
Calibrated Wavelengths	850, 1300, 1310, 1490, 1550, 1625, 1650 nm		
Detector Type	InGaAs PIN, 2 mm diameter		
Measurement Range	+3 to -70 dBm (+3 to -65 dBm @ 850 nm)		
Tone Auto-Detect	270 Hz, 330 Hz, 1 kHz, 2 kHz		
Tone Detect Range	+3 to -50 dBm @1300, 1310, 1550 nm; +3 to -40 dBm @850 nm;		
Wave ID	Auto-synchronizes & measures 1, 2 or 3 wavelengths		
Wave ID Range	+3 to -50 dBm @1300, 1310, 1550 nm; +3 to -40 dBm @850 nm		
Accuracy	±5% @ -10 dBm		
Linearity	±0.1 dB (-3 to -40 dBm); ±0.25 dB (-40 to -70 dBm)		
Resolution	0.01 dB		
Measurement Units	Power in dBm, nW, μW, mW; Loss in dB		

OLS - Optical Light Source (P1 Option)		
Wavelengths	850/1300/1310/1550 nm	
Emitter Type	Laser	
Safety Class	Class I ^b	
Launch Condition	Controlled Launch at 850 nm (comparable to encircled flux on OM4 fiber)	
Center λ (CW Mode)	±20 nm	
Spectral Width	5 nm maximum (FWHM, CW Mode)	
Internal Modulation	270 Hz, 330 Hz, 1 kHz, 2 kHz, CW, Wave ID	
SM Output Stability	Short-term ^c : ±0.1 dB; Long-term ^d : ±0.05 dB	
MM Output Stability	Short-terme: ±0.20 dB; Long-termf: ±0.15 dB	
Output Power	1310/1550 nm: -7 dBm ±1.5 dB (CW, G.652.C/D) 1300 nm: -7 dBm ±1.5 dB (CW, 50 μm MMF) 850 nm: 0 dBm ±1.5 dB (CW, 50 μm MMF)	

VFL - Visual Fault Locator	
Emitter Type	Laser, Class IIIa / Class 3Rb
Wavelength	635 nm ±10 nm
Output Power	1.5 mW (~+2 dBm ±0.5 dB) into SMF-28
Modes	CW and 1 Hz flashing

Notes:

- a. All specifications valid at 25 $^{\circ}\text{C}$ unless otherwise specified.
- b. FDA 21 CFR 1040.10 and 1040.11, and IEC 60825-1:2014.
- c. Typical maximum deviation over 15 minute after 15 minute warm-up.
- d. Typical maximum deviation over 8 hours after 1 hour warm-up.
- e. 15 minutes after 30 minutes warm-up.
- f. 8 hours after 1 hour warm-up.

General	
Size (in boot)	98 x 175 x 52.5 mm
Weight	0.8 kg
Operating Temperature	-10 °C to +50 °C, 0 to 95% RH (non-condensing)
Storage Temperature	-30 °C to +70 °C, 0 to 95% RH (non-condensing, battery removed) -20 °C to +60 °C, 0 to 95% RH (non-condensing, battery installed)
Power	Rechargeable Lithium polymer battery; AC adapter
AC Adapter	100-240 VAC, 50-60 Hz input; 5VDC, 2A output
Battery Life (OTDR)	≥12 hours, Telcordia test conditions, 4 hours recharge
Display	5-inch color LCD, 800 x 480 pixels, backlit
Shock and Vibration	GR-196-CORE, drop test, 0.75 m (30 in.), 6 planes
Dust Protection	GR-196-CORE, rubber dust caps for all ports
OTDR/OLS Ports	MM: UPC; SM: UPC or APC; includes tool-free, interchangeable SC adapters
OPM and VFL Ports	Universal, 2.5 mm adapter (SC, FC, ST); others available
USB Ports	USB host port; micro-USB function port
Bluetooth Interface	W1 option; compatible with Windows PC and Android
WiFi Interface	W1 option; compatible with IEEE 802.11 / WLAN
CE Safety	Compliant with EN61010-1
CE EMI/RFI	EN55011, EN61326-1, GR-196-CORE 4.5.1
RoHS	Compliant with RoHS directive 2011/65/EU

FlexScan FS300 models are available in five kit configurations: Basic, PLUS, PRO, BIPM, and MPO. All kits include FS300 with AC charger, battery, carry strap, SC/2.5 mm connector adapters, FlexReports™ Test Results Manager software, quick reference user quide, and carry case.

Ordering Information

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:

upgrade to FlexReports 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-BIPMe [MKIT] FS300-325 MPO Kit Configuration SMPO SMF MPO test kit; Includes SMF MPO switch, launch cables, carry case MMPO MMF MPO test kit; Includes MMF MPO switch, launch cables, carry case [Pn] Optical Light Source (OLS) and Optical Power Meter (OF PO No OLS, no OPM P1 850/1300 MM; 1310/1550 SM Source and Power Meter [Wn] Bluetooth/WiFi Configuration W0 No Bluetooth or WiFi W1b Includes WiFi and Bluetooth [C] OTDR / Source Connector Type A APC (recommended) U UPC [CC] 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-BIPMe, accessories (PLUS, PRO, BIPM kits only) H1 Hard carry case (PLUS, PRO, BIPM Kits only)			
PLUS Includes: BAS kit plus 150 m SMF & MMF Fiber Rings, One-Click Cleane upgrade to FlexReports Advanced, user-selected soft or hard carry case Includes: PLUS kit plus FOCIS Flex with two user-selected adapter tips Includes: PRO kit plus OFI-BIPMe [MKIT] FS300-325 MPO Kit Configuration SMPO SMF MPO test kit; Includes SMF MPO switch, launch cables, carry case MMPO MMF MPO test kit; Includes MMF MPO switch, launch cables, carry case MMPO No Light Source (OLS) and Optical Power Meter (OFI No OLS, no OPM P1 850/1300 MM; 1310/1550 SM Source and Power Meter [Wn] Bluetooth/WiFi Configuration W0 No Bluetooth or WiFi Includes WiFi and Bluetooth [C] OTDR / Source Connector Type A APC (recommended) U UPC [CC] 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-BIPMe, accessories (PLUS, PRO, BIPM kits only) H1 Hard carry case (PLUS, PRO, BIPM Kits only)	[KIT]	FS300 FlexScan Kit Configuration	
upgrade to FlexReports 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-BIPMe [MKIT] FS300-325 MPO Kit Configuration SMPO SMF MPO test kit; Includes SMF MPO switch, launch cables, carry case MMPO MMF MPO test kit; Includes MMF MPO switch, launch cables, carry case [Pn] Optical Light Source (OLS) and Optical Power Meter (OF PO No OLS, no OPM P1 850/1300 MM; 1310/1550 SM Source and Power Meter [Wn] Bluetooth/WiFi Configuration W0 No Bluetooth or WiFi W1b Includes WiFi and Bluetooth [C] OTDR / Source Connector Type A APC (recommended) U UPC [CC] 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-BIPMe, accessories (PLUS, PRO, BIPM kits only) H1 Hard carry case (PLUS, PRO, BIPM Kits only)	BAS	Includes: FS300, soft case, FlexReports Basic, USB cable ^a	
Includes: PRO kit plus OFI-BIPMe [MKIT] FS300-325 MPO Kit Configuration SMPO SMF MPO test kit; Includes SMF MPO switch, launch cables, carry case MMPO MMF MPO test kit; Includes MMF MPO switch, launch cables, carry case [Pn] Optical Light Source (OLS) and Optical Power Meter (OFI PO NO OLS, no OPM P1 850/1300 MM; 1310/1550 SM Source and Power Meter [Wn] Bluetooth/WiFi Configuration WO No Bluetooth or WiFi W1b Includes WiFi and Bluetooth [C] OTDR / Source Connector Type A APC (recommended) U UPC [CC] 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-BIPMe, accessories (PLUS, PRO, BIPM kits only) H1 Hard carry case (PLUS, PRO, BIPM Kits only)	PLUS	Includes: BAS kit plus 150 m SMF & MMF Fiber Rings, One-Click Cleaner, upgrade to FlexReports Advanced, user-selected soft or hard carry case	
[MKIT] FS300-325 MPO Kit Configuration SMPO SMF MPO test kit; Includes SMF MPO switch, launch cables, carry case MMPO MMF MPO test kit; Includes MMF MPO switch, launch cables, carry case [Pn] Optical Light Source (OLS) and Optical Power Meter (OF PO No OLS, no OPM P1 850/1300 MM; 1310/1550 SM Source and Power Meter [Wn] Bluetooth/WiFi Configuration W0 No Bluetooth or WiFi W1b Includes WiFi and Bluetooth [C] OTDR / Source Connector Type A APC (recommended) U UPC [CC] 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-BIPMe, accessories (PLUS, PRO, BIPM kits only) H1 Hard carry case (PLUS, PRO, BIPM Kits only)	PRO	Includes: PLUS kit plus FOCIS Flex with two user-selected adapter tips	
SMPO SMF MPO test kit; Includes SMF MPO switch, launch cables, carry case MMPO MMF MPO test kit; Includes MMF MPO switch, launch cables, carry case [Pn] Optical Light Source (OLS) and Optical Power Meter (OF No OLS, no OPM P1 850/1300 MM; 1310/1550 SM Source and Power Meter [Wn] Bluetooth/WiFi Configuration W0 No Bluetooth or WiFi W1b Includes WiFi and Bluetooth [C] OTDR / Source Connector Type A APC (recommended) U UPC [CC] 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-BIPMe, accessories (PLUS, PRO, BIPM kits only) H1 Hard carry case (PLUS, PRO, BIPM Kits only)	BIPM	Includes: PRO kit plus OFI-BIPMe	
MMPO MMF MPO test kit; Includes MMF MPO switch, launch cables, carry case [Pn] Optical Light Source (OLS) and Optical Power Meter (OF PO No OLS, no OPM 850/1300 MM; 1310/1550 SM Source and Power Meter [Wn] Bluetooth/WiFi Configuration W0 No Bluetooth or WiFi W1b Includes WiFi and Bluetooth [C] OTDR / Source Connector Type A APC (recommended) U UPC [CC] 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-BIPMe, accessories (PLUS, PRO, BIPM kits only) H1 Hard carry case (PLUS, PRO, BIPM Kits only)	[MKIT]	FS300-325 MPO Kit Configuration	
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PO No OLS, no OPM P1 850/1300 MM; 1310/1550 SM Source and Power Meter [Wn] Bluetooth/WiFi Configuration W0 No Bluetooth or WiFi W1b Includes WiFi and Bluetooth [C] OTDR / Source Connector Type A APC (recommended) U UPC [CC] 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-BIPMe, accessories (PLUS, PRO, BIPM kits only) H1 Hard carry case (PLUS, PRO, BIPM Kits only)	MMPO	MMF MPO test kit; Includes MMF MPO switch, launch cables, carry case	
P1 850/1300 MM; 1310/1550 SM Source and Power Meter [Wn] Bluetooth/WiFi Configuration W0 No Bluetooth or WiFi W1b Includes WiFi and Bluetooth [C] OTDR / Source Connector Type A APC (recommended) U UPC [CC] 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-BIPMe, accessories (PLUS, PRO, BIPM kits only) H1 Hard carry case (PLUS, PRO, BIPM Kits only)	[Pn]	Optical Light Source (OLS) and Optical Power Meter (OPM)	
[Wn] Bluetooth/WiFi Configuration W0 No Bluetooth or WiFi W1b Includes WiFi and Bluetooth [C] OTDR / Source Connector Type A APC (recommended) U UPC [CC] 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-BIPMe, accessories (PLUS, PRO, BIPM kits only) H1 Hard carry case (PLUS, PRO, BIPM Kits only)	P0	No OLS, no OPM	
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W1b Includes WiFi and Bluetooth [C] OTDR / Source Connector Type A APC (recommended) U UPC [CC] 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-BIPMe, accessories (PLUS, PRO, BIPM kits only) H1 Hard carry case (PLUS, PRO, BIPM Kits only)	[Wn]	Bluetooth/WiFi Configuration	
[C] OTDR / Source Connector Type A APC (recommended) U UPC [CC] 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-BIPMe, accessories (PLUS, PRO, BIPM kits only) H1 Hard carry case (PLUS, PRO, BIPM Kits only)	W0	No Bluetooth or WiFi	
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accessories (PLUS, PRO, BIPM kits only) H1 Hard carry case (PLUS, PRO, BIPM Kits only)	S1		
	S2		
[INC] Language [INC] Language	H1	Hard carry case (PLUS, PRO, BIPM Kits only)	
[LNG] Language [LNG] Language [LNG] Languag	[LNG]	Language [LNG] Language [LNG] Language	

[LNG]	Language
POL	Polish
POR	Portuguese
SPA	Spanish
TUR	Turkish
VNM	Vietnamese

[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 SM Fiber Ring
Absent	N/A in Basic kits
USC/USC	FR-SMF-150-USC-USC
USC/UFC	FR-SMF-150-USC-UFC
USC/ULC	FR-SMF-150-USC-ULC
USC/UST	FR-SMF-150-USC-UST
ASC/USC	FR-SMF-150-ASC-USC
ASC/UFC	FR-SMF-150-ASC-UFC
ASC/ULC	FR-SMF-150-ASC-ULC
ASC/UST	FR-SMF-150-ASC-UST
ASC/ASC	FR-SMF-150-ASC-ASC
ASC/ALC	FR-SMF-150-ASC-ALC

[MMFR]	150 m OM1 Fiber Ring
Absent	N/A in Basic kits
USC/UST1	FR-OM1-150-USC-UST
USC/USC1	FR-OM1-150-USC-USC
USC/ULC1	FR-OM1-150-USC-ULC
[MMFR]	150 m OM2 Fiber Ring
Absent	N/A in Basic kits
USC/USC2	FR-OM2-150-USC-USC
USC/ULC2	FR-OM2-150-USC-ULC
[AAAAED]	450 0143/4/5
[MMFR]	150 m OM3/4/5 - compatible Fiber Ring
Absent	N/A in Basic kits
USC/UST3	FR-OM3-150-USC-UST
USC/USC3	FR-OM3-150-USC-USC

FR-OM3-150-USC-ULC

[TIP]	FOCIS Flex Tips and 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 mmOne-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

USC/ULC3

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

Notes:

ENG

CHS

CHT

CZE

DEU

DNK

English

Czech

German

Danish

Chinese Simp.

Chinese Trad.

- a. Results can be transferred from FlexScan to FlexReports using USB cable, or performed wirelessly (W1 option) after downloading FlexApp from 'Google play' or 'App Store'.
- b. FlexScans equipped with Bluetooth option (W1) support Bluetooth transfer of results via FlexApp for remote reporting using FlexReports.
- c. Basic kit always ships with S1 (Standard Soft Case); MPO kit always ships with MPO-specific soft case.

FIN

FRA

ITA

JPN

KOR

NOR

Finnish

French

Italian

Japanese Korean

Norwegian

Ordering Information (continued)

Accessories

AFL NO.	Description	
1400-05-0230PZ	FlexScan wrist strap	
1400-05-0231PZ	FlexScan neck strap, 36"	
4050-00-0931PR	AC charger 100-240 VAC to 5 VDC	
1400-01-0167PZ	Soft carry case for FS300 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	
1400-01-0177PZ	Hard carry case for FS300 kits with FOCIS, OFI, and Fiber Ring	
3900-06-0902MR	FS300 extended temperature replacement battery	
4050-00-0935PR	Vehicle charger, 12VDC to 5VDC @2A	
6000-00-0031MR	Cable, USB-micro B, 5 pin, 6'	
6000-00-0034PR	5V USB charging cable (1.5 m), type A to barrel (0.9 X 3.2 X 9 mm)	
Cleaning Supplies	One-Clicks, fluid, wipes, etc. See www.AFLglobal.com	

Field-Replaceable OTDR Connector (Optical Port Ferrule Saver)

Protect your OTDR ports from damage due to mating with dirty or damaged launch cables or patch cords or normal wear-and-tear. Equip your FlexScan FS300 with a field-replaceable connector, which installs in seconds and accepts AFL's tool-free interchangeable SC, LC, FC and ST connector adapters.

Replace damaged connectors in the field: When normal wear-and-tear or poor cleaning practices damage the port saver's end-face, replace it in seconds without having to return the OTDR to a service center for an expensive and time-consuming repair.

AFL NO.	Description	
2900-58-0001MR	Field-replaceable connector, single-mode, FlexScan-facing APC female to APC male	
2900-58-0002MR	Field-replaceable connector, single-mode, FlexScan-facing APC female to UPC male	
2900-58-0003MR	Field-replaceable connector, single-mode, FlexScan-facing UPC female to APC male	
2900-58-0004MR	Field-replaceable connector, single-mode, FlexScan-facing UPC female to UPC male	
2900-58-0014MR	Field-replaceable connector, multimode, FlexScan-facing UPC female to UPC male	

Connector Adapters

AFL NO.			
OTDR/OLS Port	OPM Port	VFL Port	Connector Adapter
2900-50-0002MR	2900-52-0001MR	N/A	FC
2900-50-0003MR	2900-52-0002MR	N/A	SC
2900-50-0004MR	2900-52-0003MR	N/A	TZ
2900-50-0006MR	2900-52-0004MR	N/A	LC
2900-50-0011MR	2900-52-0002MR	N/A	SC/APC
N/A	2900-52-0005MR	2900-50-0007MR	2.5 mm Universal
N/A	2900-52-0006MR	2900-50-0010MR	1.25 mm Universal

Test Management and Reporting Software

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

Recommended Products



FOCIS Flex and FOCIS Lightning2 (Multi-Fiber) Inspection

- Self-contained, tether-free, hand-held inspection solution
- Auto-focus and auto-centering for fast, easy inspection
- IEC, IPC and user-defined pass/fail analysis
- FOCIS Lightning: extremely fast multi-fiber auto-analysis for datacom and telecom inspection applications



OFI-BIPMe Optical Fiber Identifier

- World class signal sensitivity
- Trigger lock, positive stop for optimum detection
- Integrated optical power meter option

Qualifications

Category	Regulation/Standard	Qualification
CE Marking	EU	Compliant to relevant EU Directives on health, safety, and environmental protection, and certified with CE marking
Safety/EMC/EMI	IEC	Compliant to IEC 61010-1 for safety requirements for electrical equipment
	EN	Compliant to EN 61010-1 for safety requirements for electrical equipment
	IEC	Compliant to IEC 61326-1 for EMC requirements for electrical equipment
	EN	Compliant to EN 61326-1 for EMC requirements for electrical equipment
	EN	Compliant to EN 55011 for EMC requirements for industrial, scientific and medical equipment
	Telcordia	Compliant to GR-196-CORE 4.5.1 for requirements on electromagnetic interference
	FCC	Compliant to code of federal regulations FCC 47 CFR 15 on unlicensed transmissions
	FDA	Compliant to code of federal regulations FDA 21 CFR 1040.10 and 1040.11 on laser products
	IEC	Compliant to IEC 60825-1 for safety of laser products
RoHS	EU	Compliant to EU regulations Directive 2011/65/EU (RoHS 2) and Directive 2015/863 (RoHS 3)
	TIA	Compliant to TIA-568.3-D for test and measurement requirements for premises optical fiber cabling and components
Test Method	IEC	Compliant to IEC 11801 for test and measurement requirements for optical fiber cabling for use within premises
	AS/NZS	Compliant to AS/NZS 3080 for test and measurement requirements for optical fiber cabling for use within premises
	TIA	Compliant to TIA-526-7 for test procedures for installed optical fiber cable plant
	TIA	Compliant to TIA-526-14 for test procedures for installed optical fiber cable plant
	IEC	Compliant to IEC 14763-3 for systems and methods for the inspection and testing of installed optical fiber cabling
	AS/NZS	Compliant to AS/NZS 14763.3 for systems and methods for the inspection and testing of installed optical fiber cabling
	IEC	Compliant to IEC 61280-4-1 for test procedures for installed optical fiber cable plant
	IEC	Compliant to IEC 61280-4-2 for test procedures for installed optical fiber cable plant
Generic Requirement	Telcordia	Compliant to GR-196-CORE for generic requirements for OTDR-type equipment
	Telcordia	Compliant to SR-4731 Issue 2 for OTDR data format
	IEC	Compliant to IEC 61746-1 for requirements on calibration of OTDR

Contact Sales@AFLglobal.com to schedule a demonstration or learn how to buy.

Visit www.AFLqlobal.com/Test to learn more about FlexScan FS300 OTDR.

International Sales and Service Contact Information available at www.AFLglobal.com/Test/Contacts