



Manufacturer:
AFL

Product Name:
AFL FlowScout® OLS8 ST Adapter Cap

Manufacturer Part Number:
2900-63-0009MR

▶ [Click here for more details on the AFL FlowScout® OLS8 ST Adapter Cap](#)

FlowScout® OLS8 Optical Light Source

5 YEAR WARRANTY



Features

- Large color touchscreen with icon-driven user interface
- Rugged, dependable, and backed by industry-best 5-year warranty
- Wave ID generation for reduced test time and user errors
- Field-replaceable connector adapters for maximum flexibility
- AFL's FlexReporter™ Test Results Manager integration (via OPM8)

Applications

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

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

Intuitive operation: With a simple-to-use color touchscreen interface, fiber technicians can quickly set-up, test, validate, and document installed fiber plant, as well as perform troubleshooting as needed.

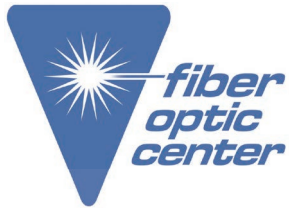
Wave ID for reduced test time and errors: In the Wave ID mode, the OLS8 encodes each wavelength with a unique Wave ID code. When used with a Wave ID capable power meter, such as OPM8, the pair can test up to three wavelengths simultaneously reducing test time and eliminating wavelength-setting errors. The light source also offers CW mode (continuous output - no encoding) and supports test Tone generation (270 Hz, 330 Hz, 1 kHz, 2 kHz) to assist in troubleshooting.

Flexible reporting: When used in conjunction with AFL's FlowScout OPM8 power meter, test results may be transferred to a PC running FlexReports PC software. Illuminate your network and report in real-time using AFL's FlowScout OLS8!

Contact the professionals at Fiber Optic Center for a quote or to get more details.

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Product Highlights



Icon-driven Interface



Comprehensive Reporting
(With OPM)



Handheld



Battery Operated



USB Power Port /
Software Upgrades

Field-replaceable output adapter
Field-replaceable output adapters enable access for inspection and cleaning of optical ports and supports multiple connector styles.

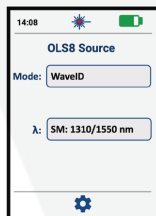
Large color display
Large color touchscreen, visible in direct sunlight, displays a simple to use user interface.

Clear test parameter setup
Intuitive, quick, and simple set-up for seamless testing, validation, and reporting.

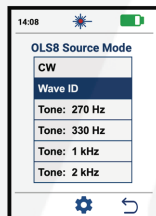
Durable design for field use
Rugged design backed by industry-best 5-year warranty.



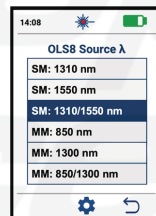
User Interface Highlights



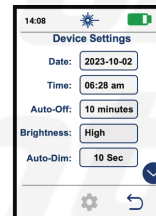
Clear Home Screen



Select Source Mode



Select Wavelength



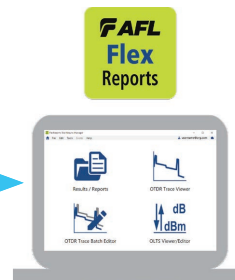
General Settings



OLS8



OPM8



FlexReporter™ Suite

Test Results Transfer to FlexReports PC Software

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Product specifications and data are subject to change without notice. FOC last update 5/5/2026.



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Specifications ^{(a), (b)}

Optical									
Model	OLS8-QUAD (MM Optical Port)		OLS8-QUAD (SM Optical Port)		OLS8-SM (Single Port)		OLS8-XGS (Single Port)		
Wavelength	850 ±30 nm	1300 ±20 nm	1310 ±20 nm	1550 ±20 nm	1310 ±20 nm	1550 ±20 nm	1310 ±20 nm	1550 ±20 nm	1490 ±20 nm
Spectral Width	45 nm (typ.)	120 nm (typ.)	5 nm (max)						
Emitter Type	LED				Laser				
Safety Class	Class I FDA 21 CFR 1040.10 and 1040.11, IEC 60825-1: 2007-03								
Output Power	>-20 dBm, 50 µm multimode				-1 dBm, 9 µm single-mode				
Output Stability	±0.1 dB over 8 hours (after 5 minutes warm-up)				±0.05 dB over 1 hour (after 15 minutes warm-up) ±0.1 dB over 8 hours (after 15 minutes warm-up)				
Tone Output	270 Hz, 330 Hz, 1 kHz, 2 kHz								
Wave ID	Automatically detects and measures power & loss at one or more wavelengths using any AFL Wave ID source								
General									
Available Adapters	SC FC, ST, LC								
Power	120/240 VAC input; 5VDC @2A output to USB-C								
Battery	User replaceable Li-Pol; IEC 62133-2:2017 and UN38.3 certified								
Operating Time (typical) ^(d)	10 hours continuous use								
Recharge Time ^(d)	≤3 hours								
Data Interfaces	USB-C								
Operating Temperature	-10 °C to +50 °C, 95% RH (non-condensing)								
Storage Temperature	-30 °C to +60 °C, 95% RH (non-condensing)								
IP Rating	IP54								
Shock & Vibration	Withstands 1 m drop test on all 6 sides								
Data Storage	Non-volatile memory for field-updateable software and results storage								
Display	3.5 in. color backlit LCD; capacitive touchscreen; 320 X 480 pixels								
Size (H x W x D)	14.0 x 8.1 x 3.3 cm (5.5 x 3.2 x 1.3 in)								
Weight	≤290 g (≤0.65 lb)								
Calibration	N.I.S.T. traceable; ≥ 3 years between required re-calibration								
Warranty	5 years								

Notes:

- a. All specifications valid at 25°C unless otherwise specified.
- b. All OLS models are equipped with SC/UPC port as standard.
- c. Operating conditions: 60 tests in 20 minutes, then auto-off; repeat each hour. Display backlight at minimum brightness.
- d. Charging time data is provided for USB-C 2A charger supported Power Delivery 3.0.

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Ordering Information

AFL NO.	Emitter Type	Output Ports	Output Wavelengths (nm)				
			850	1300	1310	1490	1550
OLS8-SM DUAL	Laser	1			◆		◆
OLS8-QUAD	LED + Laser	2	◆	◆	◆		◆
OLS8-SM XGS	Laser	1			◆	◆	◆


All OLS8 models include protective rubber boot, SC/UPC adapter, rechargeable Li-Pol battery, carry case and data + power cord. Test jumpers and connector adapters are required for operation (purchased separately). Test jumpers with a variety of connector styles and fiber types and adapter caps for most common connectors may be purchased from AFL.

AFL NO.	Description
OLS8-SL2-0001MR	FlowScout OLS8-SM DUAL (1310/1550 nm) Basic Kit. Includes: FlowScout OLS8-SM DUAL light source, AC charger and power cable, quick reference guide, and soft carry case.
OLS8-SL4-0001MR	FlowScout OLS8-QUAD (850/1300/1310/1550 nm) Basic Kit. Includes: FlowScout OLS8-QUAD light source, AC charger and power cable, quick reference guide, and soft carry case.
OLS8-SL7-0001MR	FlowScout OLS8-SM XGS (1310/1490/1550 nm) Basic Kit. Includes FlowScout OLS8-SM XGS light source, AC charger and power cable, quick reference guide, and soft carry case.

Connector Adapters


AFL NO.	Description
2900-63-0007MR	SC/UPC Adapter for FlowScout OLS8
2900-63-0008MR	LC/UPC Adapter for FlowScout OLS8
2900-63-0009MR	ST/UPC Adapter for FlowScout OLS8
2900-63-0010MR	FC/UPC Adapter for FlowScout OLS8

Recommended Products



FlowScout OPM8 Optical Power Meter

- Rapid pass/fail analysis based on user-set limits
- Wave ID functionality for accuracy and reduced test time
- Internal test results storage
- Test results transfer via USB, Bluetooth, and free FlexApp
- Reports generation using AFL's FlexReporter™



OFI-BIPM Optical Fiber Identifier

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

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Qualifications

Table with 3 columns: Category, Regulation/Standard, Qualification. Rows include CE Marking, UKCA Marking, Safety/EMC/EMI, RoHS, Test Method, and Generic Requirement.

* A complementary encircled flux mode conditioner may be needed to comply with encircled flux launch conditions for testing multimode optical fiber cabling and components.

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