

FlowScout OLS8

Optical light source

FEATURES

- Field replaceable output adaptors enable access for inspection and cleaning of optical ports, and compatibility with multiple connector styles.
- Large colour display visible in direct sunlight with a simple-to-use icon-driven interface.
- Rugged, durable, dependable, and backed by a five-year warranty.



FIELD OF VIEW (VIEWED ON FOCUS FLEX)	OLS8-QUAD (MM optical port): 850 ±30nm, 1300 ±20nm OLS8-QUAD (SM optical port): 1310 ±20nm, 1550 ±20nm OLS8-SM (single port): 1310 ±20nm, 1550 ±20nm OLS8-XGS (single port): 1310 ±20nm, 1550 ±20nm, 1490 ±20nm
SPECTRAL WIDTH	OLS8-QUAD: 45nm (typ.) at 850 ±30nm wavelength, 120nm (typ.) at 1300 ±20nm wavelength All other models: 5nm (max) at their operating wavelengths
EMITTER TYPE	OLS8-QUAD: LED All other models: laser
SAFETY CLASS	Class I FDA 21 CFR 1040.10 and 1040.11, IEC 60825-1: 2007-03
OUTPUT POWER	OLS8-QUAD: >-20dBm, 50µm multi-mode All other models: -1dBm, 9µm single-mode
OUTPUT STABILITY	OLS8-QUAD: ±0.1dB over 8 hours (after 5 minutes warm-up) All other models: ±0.05dB over 1 hour (after 15 minutes warm-up), ±0.1dB over 8 hours (after 15 minutes warm-up)
TONE OUTPUT	270Hz, 330Hz, 1kHz, 2kHz
WAVE ID	Automatically detects and measures power & loss at one or more wavelengths using any AFL Wave ID source.
AVAILABLE ADAPTORS	SC, FC, ST, LC
POWER	120/240 VAC input; 5VDC at 2A output to USB-C
BATTERY	User replaceable Li-Pol; IEC 62133-2:2017 and UN38.3 certified
OPERATING TIME (TYPICAL) [1]	10 hours continuous use
RECHARGE TIME [2]	≤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 1m drop test on all six sides
DATA STORAGE	Non-volatile memory for field-updateable software and results storage
DISPLAY	3.5-inch colour backlit LCD; capacitive touchscreen; 320 x 480 pixels
SIZE	14cm [H] x 8.1cm [W] x 3.3cm [D]
WEIGHT	≤290g
CALIBRATION	N.I.S.T. traceable; ≥ 3 years between required re-calibration
WARRANTY	5 years
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WARRANTY	5 years

NOTES
All specifications valid at 25°C unless otherwise specified. All OLS models are equipped with SC/UPC port as standard. [1] Operating conditions: 60 tests in 20 minutes, then auto-off; repeat each hour. Display backlight at minimum brightness. [2] Charging time data is provided for USB-C 2A charger supported Power Delivery 3.0.