



NOYES® OLTS 5 Optical Loss Test Set

The OLTS 5 Optical Loss Test Set series offers end-to-end single-mode testing at either 1310/1550 nm or 1550/1625 nm. The OLTS 5 may be operated in automatic or manual test modes. In its "two-unit" automatic test mode, a pair of OLTS 5 test sets may be used to measure the end-to-end, bi-directional insertion loss of a pair of single-mode fibers at 1310/1550 nm or 1550/1625 nm. Tests are started and controlled by the user from the OLTS 5 configured as the Main unit. Test progress messages and results are displayed on the Remote unit. Full test results can be reviewed and saved in the Main unit. Thresholds may be set to provide Pass/Fail results. In its "single-unit" automatic test mode the OLTS 5 can measure bi-directional, dual-wavelength insertion loss of patch cords, or fiber optic cables while they are still on the reel. In the manual operating mode individual OLTS 5 test sets can operate either as an optical power meter (OPM) or dual-wavelength laser source.

The OLTS 5 can store dual-wavelength, bi-directional insertion loss results for up to 1,000 fibers. Test results can be organized in up to 20 user-named files. Windows® compatible software is provided to view, edit, and print test results. OLTS 5 units are sold individually but normally used in pairs.

Features

- Tier 1 certification to industry standards
- ISO/TIA/EN/User setable Pass/Fail thresholds
- Touch and Test™ user interface
- TRM® reporting software
- Inspection capable

Applications

- Certification of multimode and single-mode fiber networks
- Testing and Troubleshooting
- Document Tier 1 results in a professional report

NOYES® OLTS 5 Optical Loss Test Set

Specifications ^a

MODEL	OLTS 5-3	OLTS 5-5	OLTS 5-6
TRANSMIT PORT (LASER SOURCE) SPECIFICATIONS			
Center Wavelengths	1310/1550 ±20 nm	1550/1625 ±20 nm	1310/1550 ±20 nm
Emitter Type	Laser, Class I, FDA 21 CFR 1040.10 and 1040.11, IEC 60825-1: 2007-03		
Output Power into 9/125 SM fiber	-5 dBm (nominal)	-5 dBm (nominal)	-5 dBm (nominal)
Stability	±0.1 dB, up to 8 hours	±0.1 dB, up to 8 hours	±0.1 dB, up to 8 hours
Insertion Loss and Power Measurement Resolution	0.01 dB	0.01 dB	0.01 dB
Available Connector Types	SC, FC, ST	SC, FC, ST	SC, FC, ST
RECEIVE PORT (OPTICAL POWER MEASUREMENT) SPECIFICATIONS			
Detector Type	InGaAs	InGaAs	Filtered InGaAs
Calibrated Wavelengths	850, 980, 1300, 1310, 1480, 1550, 1625 nm		
OPM (manual) Mode Optical Power Display Range	+ 0 to -70 dBm	+10 to -70 dBm	+16 to -60 dBm
OLTS (automatic) Mode Insertion Loss Measurement Range	45 dB	45 dB	39 dB
Accuracy at -10 dBm, 25°C	±0.25 dB	±0.25 dB	±0.25 dB
GENERAL SPECIFICATIONS			
Display	128 X 64 dot matrix liquid crystal display		
Dimensions (H x W x D)	18.5 X 11.1 X 4.6 cm (7.3 X 4.4 X 1.8 in)		
Weight	0.55 kg (1.2 lb)		
Operating Temperature and Humidity	0°C to +50°C, 90 % RH (non-condensing)		
Storage Temperature and Humidity	-20°C to +60°C, 95 % RH		
Power	2 AA (2-cell NiMH or AC optional)		
Battery Life (typical)	2 AA - 17 hours; NiMH battery pack - 11 hours		
Connector Types	Thread-on adapter cap mount		

Note:

a. All specifications valid at 25°C unless otherwise specified.

Ordering Information

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.

INCLUDES	AFL NO.
(1) OLTS 5, (2) AA alkaline batteries, protective rubber boot, PC software, adapter cap of the same connector type as the transmit port, and carry case.	All OLTS 5 models

Calibration Plans

AFL recommends annual calibrations on NOYES Test and Inspection products. Prepaid Cal plans offer two annual calibrations at a discounted price, a convenient calibration expiration email service, express calibration services and access to the NOYES product knowledge base. Cal Plus plans offer the same services as the Cal plans with the addition of a two year extended warranty (three years total coverage).

MODEL	2 YR CAL PLAN	2 YR CAL PLUS PLAN
	AFL NO.	AFL NO.
OLTS5 -3	CAL2-00-OLTS5-3	CAL2-01-OLTS5-3
OLTS5 -5	CAL2-00-OLTS5-5	CAL2-01-OLTS5-5
OLTS5 -6	CAL2-00-OLTS5-6	CAL2-01-OLTS5-6



NOYES International Sales and Service Contact Information

Available at www.AFLglobal.com/NOYES/Contacts