

OLT-50 Intelligent Optical Loss Tester



- ◆ FTTx/PON applicable
- ◆ Optical power monitoring
- ◆ Bidirectional loss test on single fiber
- ◆ ORL test
- ◆ Pass/Fail assessment
- ◆ Automatic wavelength identification
- ◆ Remote reference value setting
- ◆ Internal clock & fiber S/N editable
- ◆ Storage of 1000 test records
- ◆ Data transfer to PC via USB
- ◆ USB power charging
- ◆ Over 50 hours continuous operation
- ◆ No warm-up, quick start
- ◆ Backlight
- ◆ Pocketsize, lightweight and easy-to-use
- ◆ CE, FCC, FDA certificates



OLT-50 Intelligent Optical Loss Tester combines stabilized laser source and optical power meter which can perform automatic bidirectional loss test on single fiber with Pass/Fail assessment to offer user-friendly operation and avoid potential operational mistake.

The rugged and easy-to-use OLT-50 is the ideal optical loss tester for FTTx, LAN and CATV application.

Automatic Bidirectional Loss Test on Single Fiber

Two OLT-50 at both ends of a single optical fiber can perform bidirectional loss test by just pressing one button and can automatically measure and display the entire fiber attenuation to help users acquire complete and accurate optical fiber loss information.



Automatic Wavelength Identification

Compatible with the digital encryption protocols of its laser source module and Shineway

SLS-50 Series Stabilized Laser Source, OLT-50 can automatically identify the wavelength of the input optical signal and switch to the corresponding test mode, which greatly reduces the workload at both ends and avoids potential error.

Applicable to FTTx/PON testing

OLT-50 can be applied to measure Triple-play signals (1310nm, 1490nm and 1550nm) on Passive Optical Network (PON).

Specifications

Model	OLT-50	
Stabilized Laser Source		
Wavelength (±20nm)	1310/1550nm	1310/1490/1550nm
Spectrum Width	≤5nm	
Emitter Type	FP-LD	
Output Power	>-4dBm	
Power Stability	±0.05dB/15min; ±0.10dB/8hr@1310/1490/1550nm	
Output Mode	CW, 270Hz, 1KHz, 2KHz	
Optical Power Meter		
Calibrated Wavelength ⁽¹⁾	850, 1300, 1310, 1490, 1550, 1625nm	
Power Range (dBm)	-70 ~ +10 ⁽²⁾	-50 ~ +27
Display Unit	W/mW/μW/nW/pW/dBm/dB(REF)	
Detector Type	InGaAs	
Accuracy	±5%±0.01nW (±0.5 dB@850nm)	±5%±1nW (±0.5 dB@850nm)
Resolution	0.01dB	
Auto Wavelength Identification	Yes (With ShinewayTech specified Stabilized Laser Source)	
MOD Identification	270Hz, 1KHz, 2KHz	
Optical Loss Test		
Link Loss Range	50dB (1550nm, 200km)	
Link Loss Accuracy	±0.25dB	
Link Loss Test Time	< 2 seconds per wavelength	
ORL Test (Optional)		
ORL Range	0~60dB	
ORL Accuracy	±0.75dB@(0~50dB), ±1.5dB@(50~60dB)	
ORL Uncertainty	±0.5dB@20dB	
General Specifications		
Connector	FC (Interchangeable SC, ST)	
Data Storage	1000 records	
Data Interface	USB	
Backlight Display	Yes	
Auto Off	Yes (Auto-off after 5 minutes idle)	
Power Supply	Lithium Battery/ AC Adapter	

Battery Life	Continuous operation ≥50 hours
Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 70°C
Relative Humidity	0 ~ 95% (Non-condensing)
Weight	350g
Dimensions (H × W × T)	177×80×44mm

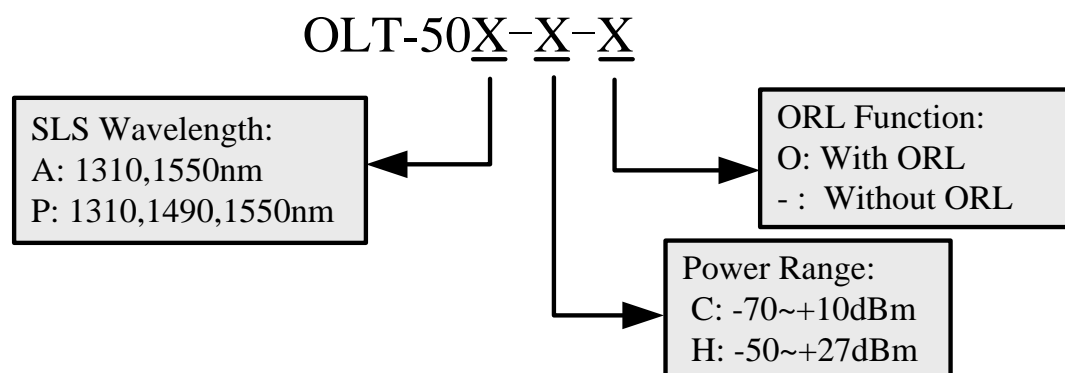
Note: (1) Other wavelengths are open for customization;
(2) At 850nm, the lower limit of measurement range is -60 dBm;

* Specifications subject to change without notice

Ordering Information

Standard Package Includes:

Instrument, Lithium battery, AC adapter/charger, USB cable, Software CD, Soft carrying case, Warranty card, CE certificate, Certificate of calibration, User manual.



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