

# OLT-55 Intelligent Optical Loss Tester

## Product Overview

OLT-55 Intelligent Optical Loss Tester is an all-in-one loss tester integrated with Stabilised Laser Source, Optical Power Meter, Optical Loss Tester, ORL Tester and Length Testing functions. It can perform automatic bidirectional loss tests on a single fibre with a Pass/Fail assessment. With rich functions, flexible configuration and excellent user-friendly design, OLT-55 is the ideal optical loss tester to completely evaluate the optical fibre link condition in FTTx, LAN and CATV networks.

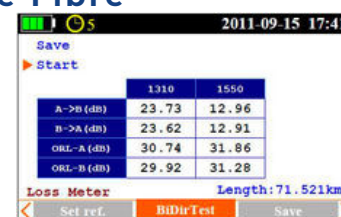
## Features

- ▶ All-in-one: SLS + OPM + OLT + ORL + Length test
- ▶ Optical power monitoring(Auto power trace)
- ▶ Bidirectional loss test on single fibre
- ▶ ORL test
- ▶ Pass/Fail assessment
- ▶ Automatic wavelength identification/switch (AutoID)
- ▶ Remote reference value setting
- ▶ Internal clock & fibre S/N editable
- ▶ 1000 test records(CSV)storage &management
- ▶ Data transfer to PC via USB(Driver-free)
- ▶ Auto-test records save in the local unit/remote unit/both units
- ▶ USB power charging
- ▶ Over 35hours continuous operation
- ▶ Multi-language support
- ▶ No warm-up, quick start
- ▶ High-resolution colour LCD
- ▶ Compact, lightweight and easy to use



## Automatic Bidirectional Loss and Return Loss Test on Single Fibre

Two OLT-55 at both ends of a single optical fibre can perform bidirectional loss test by just pressing one button can automatically measure and display the entire fibre attenuation and total length to help users acquire complete and accurate optical fibre loss information.



	1310	1550
A->B (dB)	23.73	12.96
B->A (dB)	23.62	12.91
ORL-A (dB)	30.74	31.86
ORL-B (dB)	29.92	31.28

Loss Meter Length: 71.521km

## Automatic Wavelength Switch / Identification



## Optical Power Monitoring



## Specifications

Model	OLT-55		
<b>Stabilised Laser Source</b>			
Wavelength ( $\pm 20\text{nm}$ )	1310/1550nm	1310/1490/1550nm	1310/1550/1625nm
Spectrum Width	$\leq 5\text{nm}$		
Emitter Type	FP-LD		
Output Power	$> -4\text{dBm}$		
Power Stability	$\pm 0.05\text{dB}/15\text{min}; \pm 0.10\text{dB}/8\text{hr}$		
Output Mode	CW, 270Hz, 1KHz, 2KHz		
<b>Optical Power Meter</b>			
Calibrated Wavelength	850, 1300, 1310, 1490, 1550, 1625nm		
Power Range (dBm)	$-70 \sim +10$ ( $-60 \sim +10$ @850nm)	$-50 \sim +27$	
Display Unit	W/mW/ $\mu$ W/nW/pW/dBm/dB(REF)		
Detector Type	InGaAs		
Accuracy	$\pm 5\% \pm 0.01\text{nW}$ ( $\pm 0.5\text{dB}$ @850nm)	$\pm 5\% \pm 1\text{nW}$ ( $\pm 0.5\text{dB}$ @850nm)	
Resolution	0.01dB		
Auto Wavelength Identification	Yes (With ShinewayTech specified Stabilised Laser Source)		
MOD Identification	270Hz, 1KHz, 2KHz		
<b>Optical Loss Test</b>			
Link Loss Range	50dB (1550nm, 200km)		
Link Loss Accuracy	$\pm 0.25\text{dB}$		
Link Loss Test Time	$< 2\text{seconds}$ per wavelength		
<b>ORL Test (Optional)</b>			
ORL Range	0~60dB (APC connector)		
ORL Accuracy	$\pm 0.75\text{dB}$ @(0~50dB), $\pm 1.5\text{dB}$ @(50~60dB)		
ORL Uncertainty	$\pm 0.5\text{dB}$ @20dB		



General Specifications	
Connector	FC (Interchangeable SC, ST)
Data Storage	1000records
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 ≥35hours
Operating Temperature	-20°C ~ 50°C
Storage Temperature	-40°C ~ 70°C
Relative Humidity	0 ~ 95% (Non-condensing)
Weight	350g
Dimensions (H × W × T)	177×80×44mm

\* Specifications subject to change without notice

## Ordering Information

### Standard Package:

OLT-55, Lithium battery, AC adapter/charger, USB cable, Software CD, Soft carrying case, Warranty card, CE certificate, Certificate of calibration, and User manual.

