



## shinewaytech OLT-55X-H PON Optical Loss Tester



link to the product:

<https://intersell.pl/gb/953-shinewaytech-intelligent-optical-loss-tester-mon-olt-55x-h.html>

Manufacturer: ShinewayTech

Referention number: OLT-50X-H

### Full product description

**The OLT-55 Intelligent Optical Loss PON Tester** combines options such as a stabilized light source, optical power meter, optical loss meter, ORL tester and length meter. Can perform bidirectional loss tests by evaluating Good / Bad. Rich functions, such as flexible configuration and user-friendly design, make the OLT-55 an ideal device for measuring losses and comprehensive evaluation of fiber optic links in FTTx, LAN or CATV networks.

To perform measurements in two directions simultaneously, two exactly the same tester models should be used simultaneously.

### **We offer a two-year warranty on this product**

#### **Features:**

- All in one device: SLS + OPM + OLT + ORL + length measurement,
- Optical power monitoring (automatic beam tracking),
- Bi-directional loss test in one fiber,
- ORL test,
- Assessing correct / incorrect,
- Automatic wave identification / switching (AutoID),
- Remote setting of reference values,
- Internal clock and S / N editable,
- 1000 results memory (CSV) and data management software,
- Data transfer from a PC via USB,
- Automatic saving of results in local / remote / in both units,
- USB charging,
- Over 35 hours of continuous work,

- Multilingual menu,
- It does not heat up
- Launches quickly
- High resolution color display,
- Pocket format, light and easy to use device.



### Automatic bidirectional loss tests in one fiber

One button is enough to perform the bidirectional test on both ends of the OLT-55 and on both ends of the fiber. The attenuation is measured automatically with the result on the display, allowing the operator to obtain complete and accurate fiber loss data.



### Automatic wavelength identification



### Optical power monitoring



## SPECIFICATION

Technical parameters	
Model	OLT-55X-H
Stabilized Light Source (SLS)	
Wavelength ( $\pm 20$ ) [nm]	1310/1550/1625
Output power [dBm]	? -4
The output mode	CW, 270Hz, 1kHz, 2kHz
Spectral width [nm]	? 5
Emitter type	FP-LD
Stability of power	$\pm 0.05\text{dB} / 15\text{min}$ $\pm 0.10\text{dB} / 8\text{h}$
Optical power meter	
Calibrated wavelength [nm]	850, 1300, 1310, 1490, 1550, 1625
Power range [dBm]	-50 to +27
Detector type	InGaAs
Accuracy	$\pm 5\% \pm 1\text{nW} (\pm 0.5\text{dB}@850)$
Resolution [dB]	0.01
Identification of the MOD [Hz]	270, 1000, 2000
Displayed unit	W / mW / $\mu\text{W}$ / nW / pW / dB / dBm (REF)
Automatic wavelength identification	YES (with explicit SLS from the company shinewaytech )
Optical loss test	

Communication loss range [dB]	50 (1550nm, 200km)
Accuracy of communication loss measurement [dB]	$\pm 0.25$
Communication loss measurement time	<2 sec. for wavelength
<b>ORL test (optional)</b>	
ORL range [dB]	0 to 60 (APC connector)
ORL accuracy [dB]	$\pm 0.75$ (in the range 0 to 50dB) $\pm 1.5$ (in the range 50 to 60dB)
ORL measurement uncertainty [dB]	$\pm 0.5$ (@ 20dB)
<b>General parameters</b>	
Dimensions (width x length x height) [mm]	80 x 44 x 177
Display	Color LCD with backlight
Weight [g]	350
Power	Lithium battery AC adapter
Battery operation time [h]	35 (continuous operation)
Communication	USB
Energy saving	Automatic shutdown after 5 minutes of inactivity
Optical connector	FC (interchangeable with SC, ST)
Memory	1000 results
Working conditions	Ambient temperature: -20 to 50 [° C] Relative humidity: 0 to 95 [%] (no condensation)
The storage conditions	Ambient temperature: -40 to 70 [° C] Relative humidity: 0 to 95 [%] (no condensation)

## Order

### Standard equipment

- Equipment,
- Lithium battery,
- AC adapter / charger,
- USB cable,
- PC OPM Data Analysis software,
- Case,
- Warranty Card,
- CE certificate,
- Calibration certificate,
- User manual.