

# OLT100 - FIBER OPTICAL TEST KIT

Professional optical loss test kits for singlemode and multimode

## For best performance data transmission in fiber optic networks

Measuring the fiber optic connection must be done after installation, before going live, as well as during operation in order to function error free. So far, corresponding measuring devices have often been very expensive. NetPeppers' new Fiber Optic loss test Kits are a cost-effective solution for standard-compliant, highly accurate measurement results.



OPM100

OLS100SM

OLS150MM

## Versatile in all networks

With the fiber-optic loss test kits, you can measure singlemode and multimode connections and can thus be used both for in-house networking (LAN) and in wide area networks (WAN). Due to the modern laser measurement technology of the OLT series, you do not need to plan a long warm-up time for accurate results, but can start directly with your measurement. All popular wavelengths are supported \* and the results document the quality of the fiber optic link.

## Usable for everyone

The interchangeable connectors for SC or ST of the measuring instruments guarantee maximum flexibility for every project, when choosing the right connection components for the measurement.

The ease of use and the large and easy-to-read LCD displays make a fiber-optic measurement a breeze even for an inexperienced user. But even the fiber optic professional will appreciate the devices' compact and rugged housing, designed for durability and harsh environments.

\* see specifications

## MAIN BENEFITS

- ★ Standard compliant fiber-optic loss measurement on singlemode and multimode fiber optic links
- ★ Best price performance ratio
- ★ Broad application for LAN, WAN, FTTX and more
- ★ Accurate results without warm-up time for acceptance measurement
- ★ Display results in dB / dBm / mW /  $\mu$ W / W
- ★ Adapter for SC / ST
- ★ Robust design for field use
- ★ Long service life

## KIT INCLUDES:

### OLT100 QUAD Kit

- 1 OPM100 Optical Power Meter
- 1 OLS150MM Optical Light Source for multimode wavelength
- 1 OLS150SM Optical Light Source for singlemode wavelength
- 3 Lanyards for carrying the devices
- 1 Hard carrying case
- 1 Interchangeable adapter SC/ST
- 1 Quick start guide
- 1 Calibration certificate

### OLT100MM Multimode Kit

- 1 OPM100 Optical Power Meter
- 1 OLS150MM Optical Light Source for multimode wavelength
- 2 Lanyards for carrying the devices
- 1 Hard carrying case
- 1 Interchangeable Adapter SC/ST
- 1 Quick start guide
- 1 Calibration certificate

### OLT100SM Singlemode Kit

- 1 OPM100 Optical Power Meter
- 1 OLS150SM Optical Light Source for singlemode wavelength
- 2 Lanyards for carrying the devices
- 1 Hard carrying case • 1 Interchangeable adapter SC/ST
- 1 Quick start guide
- 1 Calibration certificate



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## Specification Power Meter – OPM100

<b>Calibrated Wavelength(1)</b>	850,1300,1310,1490,1550,1625nm
<b>Power Range (dBm) (2)</b>	-70 – +6 <sup>(1)</sup>
<b>Application Range</b>	Single/Multimode fibers
<b>Detector Type</b>	InGaAs
<b>Accuracy</b>	±5%±0.01nW(±0.5dB@850nm)
<b>Resolution</b>	0.01dB
<b>MOD Identification</b>	270,1K,2K Hz
<b>Display Unit</b>	W/mW/μW/dBm/dB (REF)
<b>Connector (3)</b>	FC (Interchangeable SC, ST)
<b>Power Supply</b>	9V Alkaline Battery (450mAh) / Optional 9V AC Adapter
<b>Battery Life</b>	≥40hours
<b>Power Saving</b>	Auto off after 5 minutes idle
<b>Operating Temperature</b>	0°C ~ 50°C (32 ~ 122 F)
<b>Storage Temperature</b>	-20°C ~ 70°C (-4 ~ 158 F)
<b>Relative Humidity</b>	0 ~ 95% (Non-condensing)
<b>Weight</b>	300g (0.66lbs)
<b>Dimensions (H×W×T)</b>	145×75×25mm (5.7×2.9×1inch)

(1) The lower limit of 850nm measurement is -60dBm.

## Specification Light Sources – OLS 150

	OLS 150 SM	OLS 150 MM
<b>Output Power</b>	1310/1550 nm	850/1300 nm
<b>Display</b>	LCD	
<b>Output Power</b>	≥-7	
<b>Output Mode</b>	CW, 270Hz, 1KHz, 2KHz	
<b>Emitter Type</b>	FP-LD	
<b>Connector Type</b>	FC/PC(Interchangeable SC,ST)	
<b>Spectrum Width</b>	≤ 5nm	
<b>Stability</b>	±0.05dB/15min, ±0.10dB/8hr@ 1310/1550;	±0.05dB/15min, ±0.15dB/8hr@ 850/1300nm
<b>Fiber Type</b>	Single Mode Fiber	Multi Mode Fiber
<b>Auto Off</b>	After 5 minutes idle	
<b>Power Supply</b>	9V Alkaline battery(450mAh) / optional 9V AC adapter	
<b>Battery Life</b>	≥20hours with 9V Alkaline	
<b>Operating Temperature</b>	0°C to 50°C	
<b>Storage Temperature</b>	-20°C to 70°C	
<b>Relative Humidity</b>	0 ~ 95% (Non-condensing)	
<b>Weight</b>	300g (0.66lbs)	
<b>Dimensions (H×W×T)</b>	145×75×25mm (5.7×2.9×1inch)	

Order Information	Article No.
<b>Optical Test Kits</b>	
<b>OLT100 QUAD KIT for 850/1300/1310/1550 nm wavelength</b>	NP-OLT-QUAD
<b>OLT100SM KIT for 1310/1550 nm wavelength</b>	NP-OLT-SM
<b>OLT100MM KIT for 850/1300 nm wavelength</b>	NP-OLT-MM

## Single Devices

<b>OPM100 Optical Power Meter</b> for 850,1300,1310,1490,1550,1625nm. <u>Scope of delivery:</u> 1x OPM100 Optical Power Meter with FC-connection, 1x Interchangeable Adapter SC/ST	NP-FIBER100
<b>OLS150SM Optical Light Source</b> <u>Scope of delivery:</u> 1x OLS150SM Optical Light Source with FC-connection, 1x Interchangeable Adapter SC/ST	NP-FIBER150-SM
<b>OLS 150 MM Optical Light Source</b> <u>Scope of delivery:</u> 1x OLS150MM Optical Light Source with FC-connection 1x Interchangeable Adapter SC/ST,	NP-FIBER150-MM
<b>VLP50 Visible Laser Source</b> <u>Scope of delivery:</u> 1x VLP50, 1x adapter, 1x carrying case, battery, quick start guide	NP-FIBER50

## Fiber Cleaning

<b>OCP10SC Cleaning Pen</b> for SC-connector Over 800+ Cleaning cycles	NP-OCP10-SC
<b>OCP10SC PACK</b> Includes 5pcs of OCP10SC	NP-OCP10-SC-5PACK
<b>OCP10LC Cleaning Pen</b> for LC connector Over 800+ Cleaning cycles	NP-OCP20-LC
<b>OCP10LC PACK</b> Includes 5 pcs of OCP10LC	NP-OCP10-LC-5PACK

