WaveSeries FTTH Test Kit

SKU: KIT-WS-FTTHxx (see connector options below)

FTTH Optical Loss Test Kit

Overview

Many fiber optic network bids and Requests For Quote (RFQ) are citing cabling standards to specify the set of guidelines (such as fiber length) that the network installer must follow during the network installation. Adherence to such standards is meant to ensure the quality of the installation and guarantee that the network will perform as it was designed.

The process of testing a network installation to ensure its adherence to specified standards is called certification, and often requires hard-copy documentation as proof of adherence to standards.

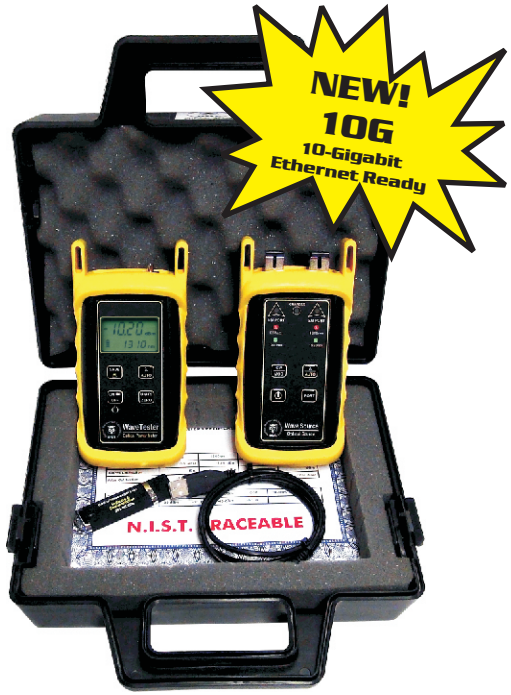
The ***WaveTester / WaveSource FTTH Test Kit*** contains the tools necessary for measuring optical loss in fiber optic networks using the ITU G.983.3, the standard used for Fiber To The Home (FTTH) networks.

The ***WaveTester FTTH optical power meter*** is multimode and singlemode ready, and can store reference values for all wavelengths used for optical loss measurements. Up to 200 fiber runs may be stored, and serially downloaded to a PC for report generation using our OWL Reporter software.

The ***WaveSource FTTH fiber optic light source*** contains the three wavelengths (1310, 1490, and 1550 nm) required by the ITU G.983.3 FTTH standard in a single unit, designed for accurate testing and certification of FTTH networks. Its outputs are temperature-stabilized for accurate measurements.

The ***WaveSource FTTH*** has a built-in auto-wavelength switching protocol designed to synchronize the wavelength of the ***WaveTester FTTH*** with the current output wavelength.

Two connector options are available (ST and SC).



Features

Optical loss and certification of FTTH fiber links at 1310, 1490, and 1550nm

Auto-wavelength recognition and automatic data storage reduce testing time and human error

Data storage for up to 200 data points

Built-in FTTH loss parameters for on-screen PASS/FAIL readings

USB interface for continuous data logging, report printing, or data downloading

OWL Reporter software for printing formatted fiber certification reports

Absolute or relative mode for giving you instant pass/fail results

Additional Supported Cabling Standards:

EIA/TIA 568-B	ISO/IEC 11801	10-Gigabit Ethernet
1000Base-SX	1000Base-LX	100Base-FX
10Base-FB	10Base-FL	FDDI
ATM-155	ATM-622	Fibre Channel
Token Ring		

Users may also define their own custom standards

Additional Power Meter Calibrated Wavelengths:

850nm 1300nm

Kit Contents

Power Meter: WaveTester FTTH

Light Source: WaveSource FTTH

Accessories:
- OWL Reporter software
- Product manuals
- Download cable
- 9-volt batteries
- NIST certificate
- Carrying case
- Protective rubber boots

ASSEMBLED IN USA

N.I.S.T. Traceable

Product manuals come in PDF format on CD. Adobe Acrobat Reader™ is required to view these documents.

Patch cables are available for an additional charge. Contact OWL for more information.

O.W.L. MANUFACTURER OF QUALITY OPTICAL FIBER TEST EQUIPMENT

OPTICAL WAVELENGTH LABORATORIES™

Optical Wavelength Laboratories (OWL)
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http://owl-inc.com

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Specifications

WaveTester Optical Power Meter

Detector Type	InGaAs
Calibrated Wavelengths	1310, 1490, 1550
Measurement Range	+5 to -60 dBm
Accuracy	±0.15 dB
Resolution	0.01 dB
Connector Type	2.5mm Universal
Data Storage Points	up to 200
Download Data Points	OWL Reporter Software
Power Units Displayed	dBm, dB, µW
Battery Life	250 hrs. (9v alkaline)
Battery Capacity Display	Yes
Backlight	Yes
NIST Traceable	Yes
Auto-shutdown	Yes
Operating Temperature	-10 to 55 C
Storage Temperature	-30 to 70 C
Width	2.75”
Height	4.94”
Depth	1.28”
Weight	154g

Conforms to the Harmonized European Standards EN 61326-1 and EN 61010-1.

WaveSource FTTH Fiber Optic Light Source

Launch Method (singlemode)	FP Laser
Connector	ST, SC, or FC
Center Wavelength (1310nm)	1310 ±30nm
Center Wavelength (1490nm)	1490 ±10nm
Center Wavelength (1550nm)	1550 ±30nm
Spectral Width (FWHM; 1310nm)	2nm
Spectral Width (FWHM; 1490nm)	2nm
Spectral Width (FWHM; 1550nm)	2nm
Output Power (1310 / 1550nm)	-10.0 dBm
Initial Accuracy	0.1 dB
Ouput Modes	Continuous Wave Modulated
Battery Life	up to 30 hrs.
Battery Type	9V alkaline
Battery Capacity Display	Yes
Operating Temperature	0 to 55° C
Storage Temperature	0 to 75° C
Width	2.75”
Height	4.94”
Depth	1.28”
Weight	154g

Conforms to the Harmonized European Standards EN 61326-1 and EN 61010-1.

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