ZOOM 2 / WaveSource Quad Test Kit

SKU: KIT-Z2-WSMDSDxx (see light source connector options below)

Singlemode / Multimode Fiber Optical Loss Test Kit

Overview

The **ZOOM 2 / WaveSource Quad Test Kit** is ideal for LAN managers and installers who need to do simple attenuation tests on their multimode and singlemode networks.

The **ZOOM 2 (Zeroed Output Optical Meter)** is an economical fiber optic power meter. It provides accurate testing of multimode and singlemode fiber cables. The 4-digit 7-segment LCD displays power readings with a resolution of 0.01dB. On-screen indicators display measurement units (dBm, dB, uW), as well as battery life. The ZOOM 2 comes configured with a 2.5mm universal connector for connection to ST or SC connectors, as well as any other fiber connector with a 2.5mm ferrule.

The **WaveSource Quad** is a combined multimode / singlemode light source. Its quad-wavelength outputs (850 & 1300nm for multimode and 1310 & 1550 nm for singlemode) are temperature-stabilized for accurate measurements. Three connector options are available (ST, SC, or FC).

Features

Economical option for quick attenuation and loss testing of both multimode and singlemode networks

Easy-to-read 4-digit 7-segment LCD display

Store reference values for calibrated wavelengths

Intuitive 2-button interface on both units

On-screen wavelength, measurement units, and low battery indicator

NIST traceable

Kit Contents

Power Meter: ZOOM 2

Light Source: WaveSource Quad

Accessories: Product manuals
9-volt batteries
NIST certificate
Carrying case
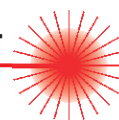Protective rubber boots

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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.

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Specifications

ZOOM 2 Optical Power Meter

Detector Type	InGaAs
NIST Traceable Wavelengths	850nm, 1300nm, 1310 nm, 1490, 1550 nm
Measurement Range	+5 to -60 dBm
Accuracy[1]	±0.15 dB
Linearity[1]	±0.20 dB
Resolution	0.01 dB
Connector Type	2.5mm Universal
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

1: Over range of 0 to -45 dBm

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

WaveSource Quad Fiber Optic Light Source

Launch Method (multimode)	LED
Launch Method (singlemode)	FP Laser
Connector	ST, SC, or FC
Center Wavelength (850nm)	850 +30/-10nm
Center Wavelength (1300nm)	1300 ±50 nm
Center Wavelength (1310nm)	1310 ±30nm
Center Wavelength (1550nm)	1550 ±30nm
Spectral Width (FWHM; 850 nm)	50nm
Spectral Width (FWHM; 1300nm)	180nm
Spectral Width (FWHM; 1310nm)	2nm
Spectral Width (FWHM; 1550nm)	2nm
Output Power (multimode)	-20.0 dBm
Output Power (singlemode)	-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.