

ZOOM 2 FTTH Test Kit

SKU: KIT-Z2-FTTHxx (see connector options below)

Singlemode Fiber Test Kit

Overview

The **ZOOM 2 FTTH Test Kit** is ideal for performing quick and accurate loss measurements on attenuation tests on their singlemode FTTH networks.

The **ZOOM 2 FTTH optical power meter** is multimode and singlemode ready, and can store reference values for all wavelengths used for optical loss measurements, including 1310, 1490, and 1550nm, the wavelengths used in FTTH links.

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.

Two light source connector options are available (ST and SC).

Kit Contents

- Power Meter:** ZOOM 2 FTTH
- Light Source:** WaveSource FTTH
- Accessories:** Product manuals
9-volt batteries
NIST certificate
Carrying case
Protective rubber boots



Features

- Economical option for quick attenuation and loss testing of singlemode networks, including FTTH
- 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



ASSEMBLED IN USA

Product manuals are on a PDF file on CD. Adobe Acrobat Reader™ is required to view these documents.

Carrying cases and patch cables are available for an additional charge. Call 262-473-0643 for more information.



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Specifications

ZOOM 2 Optical Power Meter

Detector	InGaAs
Calibrated Wavelengths	850nm, 1300, 1310nm, 1490, 1550nm
Measurement Range	+5 to -60 dBm
Accuracy¹	±0.15 dB
Linearity¹	±0.20 dB
Resolution	0.01 dBm
Battery Life	up to 250 hours
Operating Temperature	0 to 55°C
NIST Traceable	Yes
Battery Capacity Display	Yes
Connector	2.5mm Universal
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 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 (all wavelengths)	-10.0 dBm
Initial Accuracy	0.1 dB
Output 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.

