Fiber OWL 7 BIDI Series

Part #: F7Bxx (see model number list)

Dual-fiber Bi-directional Tier 1 Certification Optical Loss Test Set

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 **Fiber OWL 7 BIDI Series OLTS** contains the features necessary for certifying fiber optic links against a myriad of popular cabling standards in singlemode and/or multimode networks, commonly referred to in the industry as <u>Tier 1 certification</u>.

The **Fiber OWL 7 BIDI Series OLTS** includes a matched pair of Master/Remote units, and models are available for multimode only, singlemode only, or both. Its user-friendly Fiber Link Wizard shows helpful color diagrams to guide the setup process, including link budget calculation and setting the optical reference. Up to 10,000 fiber runs may be stored in internal memory, and can be downloaded to a PC for report generation with OWLView software.

Intelligent automated testing functions include automatic end-toend length measurement, dual-wavelength storage, and autowavelength recognition which reduce testing time and human error.

The universal detector port on the Master and Remote units each come with 2 adapter caps, one for 2.5mm connectors such as SC, ST, and FC, and the other for 1.25mm connectors such as LC. The source port on the Master and Remote units are either SC or LC, depending upon light source configuration.





Includes: one Master and one Remote OLTS; each unit Accessories: also includes 2.5mm and 1.25mm universal adapters

Patch cables, adapters, and other related accessories not included.

Applications

- Full-featured Tier 1 fiber link certification
- Dual-fiber Pair Testing (1-direction)
- Dual-fiber Bi-directional Testing
- · Optical loss (attenuation) measurement
- Optical power measurement





Features

Standards-based link certification for multimode and singlemode fiber links

USB flash drive containing OWLView software and product documentation

Color LCD indicates PASS / FAIL status based on color

USB download cables and battery chargers

Protective rubber boots

NIST certificate of calibration

- Unlimited job configurations
- User-friendly Link Wizard with helpful color on-screen diagrams to help guide the setup process
- Auto-wavelength recognition and data storage reduces testing time and human error
- Up to 10,000 test readings can be stored in memory
- Prints official certification reports via OWLView certification software
- Re-chargeable Lithium Polymer batteries
- NISTTraceable









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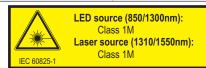
Optical Power Meter Port Specifications			
Detector Type	InGaAs		
Calibrated Wavelengths ¹	850 , 980, 1300 , 1310 , 1490, 1550 , 1625		
Measurement Range	+5 to -70 dBm		
Accuracy	±0.15 dB		
Display Resolution	0.01 dB		
Battery Life	Up to 50 hours (Lithium Polymer)		
Detector Connector Type	2.5mm/1.25mm universal		
Data Storage	Up to 10000 data points		
Displayed Measurement Units	dBm, dB, mW, μW, nW		
Modes of Operation	BIDI, PAIR, CERT, LOSS, OPM		

^{1:} Bold wavelengths are NIST Traceable

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

Light Source Port Specifications				
Output Type	Multimode	Singlemode	VFL	
Launch Method	LED	FP Laser	Red Laser	
Center	850 nm: 850 ±30 nm	1310 nm: 1310 ± 20 nm	~650nm	
Wavelength	h 1300 nm: ± 50 nm 1550 nm: 1550 ± 30 nm			
Spectral	850 nm: 50 nm	1310nm: 2 nm	N/A	
Width	1300 nm: 180 nm	1550nm: 2 nm		
Output Power	-20 dBm	-10 dBm	0 dBm	
Output Modes	CW / Modulated	CW / Modulated	CW / Modulated	
Initial Accuracy	± 0.1 dB	± 0.1 dB	N/A	
Connector Type	(see model # table below)			

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



General Specifications			
Display Type	Hi-resolution Color LCD		
Auto-shutdown	Yes		
Operating Temperature	-10 to 55° C		
Storage Temperature	-30 to 70° C		
Dimensions	2.9 x 4.49 x 1.3 in. (72.9 x 112.3 x 31.8 mm)		
Weight	12 oz. (373g)		

Model Number List				
Model #:	Multimode	Singlemode	VFL	
F7BMX	SC			
F7BMV	LC		LC	
F7BSX		SC		
F7BSV		LC	LC	
F7BMS	LC	LC		

Test Ports

MASTER	REMOTE
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Supported Cabling Standards

TIA 568-C.3 568-3.D ISO 11801 14763-3 Ethernet 1G 10G 40G 1

thernet 1G 10G 40G 100G TTH Class A Class B Class C

FTTH Class A Class B Class C
USER DEFINED Fixed budget Calculated budget









