

**Optical Wavelength Laboratories Presents**

**New!**

# FIBER OWL 7

## FIBER OPTIC LINK CERTIFIER

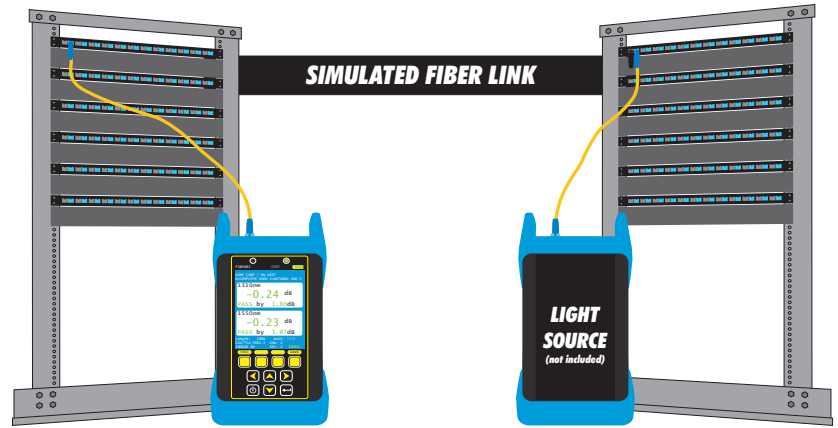


- **Compact size**
- **Color LCD display**
- **Breakthrough pricing**
- **Encircled Flux compliant**
- **Multiple versatile test modes**
- **Comprehensive OWLView Tri-report**

# Fiber OWL 7 Series Test Kits

# Fiber Optic Link Certifier

- Win more bids for your company!
- Easy to read color LCD
- Color-coded PASS/FAIL standards-based test results
- Integrated length testing
- Tier 1 Certification for both multimode and singlemode
- User-friendly diagrams guide users through the testing process!
- Factory located in the heartland of the US!



**Encircled Flux Compliant**

**Encircled Flux compliant.** Encircled Flux (EF) compliance is the latest requirement for testing multimode networks designed for transmission of 10 Gigabits and beyond. When used with EF mode controller cables, Fiber OWL 7 certifiers ensure high-speed multimode networks are compliant to standards-based EF requirements.

**10-Gig Ready**

**User-friendly setup and test procedures.** Helpful diagrams on the screen prompt the user to connect the tester to the link as shown, and text-based help screens are available in case users have questions in the field.

**Affordability.** Fiber OWL 7 certifiers are a fraction of the cost of bulky over-priced certifiers, saving cost-conscious technicians and installers thousands of dollars that could be better used elsewhere.

**Small, compact size.** At nearly a third of the size and weight as compared to much bulkier ultra-expensive certifiers on the market, Fiber OWL 7 certifiers are truly hand-held pocket-sized devices that can be operated in one hand!



## SPECIFICATIONS

GENERAL			
Display Type	2.8" Color LCD	Operating Temperature	-10 to 55° C
Battery Type	Re-chargeable Lithium Polymer	Storage Temperature	-30 to 70° C
Battery Life	up to 50 hours	Dimensions	2.87" x 4.42" x 1.25"
Auto-shutdown	Yes	Weight	10 ounces (284 g)
OPTICAL POWER METER – DETECTOR PORT		FIBER OPTIC LIGHT SOURCE	
Detector Type	InGaAs	Type (MM / SM)	LED / FP Laser
Wavelengths	850, 980, 1300, 1310, 1490, 1550, 1625 nm	Center Wavelength	850 +30/-10 nm 1300 ±50 nm 1310 ± 30 nm 1550 ± 30 nm
Measurement Range	+5 to -70 dBm	Spectral Width (FWHM)	850 nm: 50 nm 1300 nm: 180 nm 1310 nm: 2 nm 1550 nm: 2 nm
Accuracy (Uncertainty)	±0.15 dB	Output Power (MM/SM)	-20 dBm / -10 dBm
Display Resolution	0.01 dB	Initial Accuracy (Uncertainty)	±0.1 dB
Power Units	dBm, dB	Output Modes	CW, Modulated
Connector Type	Universal (2.5 mm and 1.25 mm)	OPTIONAL VFL PORT (METER & SOURCE)	
Data Storage Points	<10,000	Type	Red Laser
Download Port Connection	USB	Fiber Type	Multimode/Singlemode
Software	OWLView	Center Wavelength	~650nm
Modes of Operation	CERT, LOSS, OPM	Output Power	0 dBm (1mW)
OPTICAL POWER METER – LENGTH TEST PORT*		Visible Distance	up to 5 km
Type	FP Laser	Connector Type	LC
Center Wavelength	1310 ± 30 nm		
Spectral Width (FWHM)	1310 nm: 2 nm		
Output Power	-10 dBm		
Length Accuracy	±2.5 meters (7 feet)		
Length Limit	up to 25 km (singlemode)		
Connector Type	SC (LC if optional VFL is installed)		

\* Length test port not included on Fiber OWL 7 LITE power meters



**Optical Wavelength Laboratories**  
**Phone: 262-473-0643**  
**Internet: OWL-INC.COM**

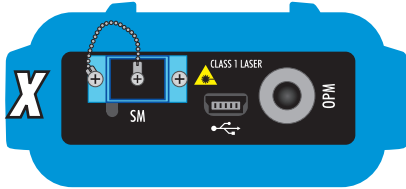
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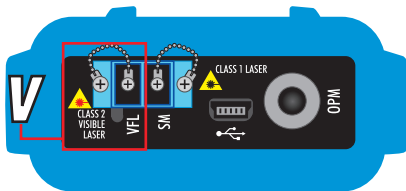
**OWL - The WISE choice in fiber test!**

# KIT CONFIGURATOR

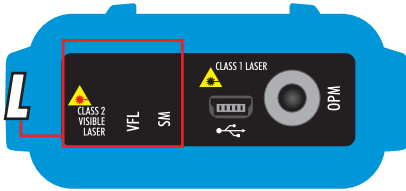
**Power Meter option codes – KF7 *m s s***



**X = length test only**  
Fiber OWL 7 eXtended

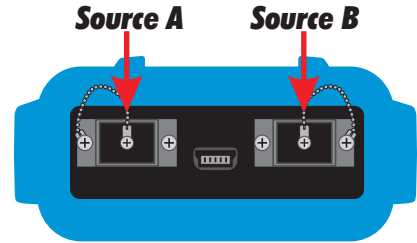


**V = length and VFL**  
Fiber OWL 7 VFL



**no length test**  
Fiber OWL 7 BASIC

**Light Source option codes – KF7 *m a b***



**M = multimode 850/1300nm**  
**S = singlemode 1310/1550nm**  
**X = no source installed**  
**V = Visual Fault Locator (VFL)**

Kit Part #	Power Meter Information			Light Source Information			
	Meter Part #	Length	VFL	Source Part #	MM	SM	VFL
KF7XMS	F7X	✓	–	WPMS	✓	✓	–
KF7XMV	F7X	✓	–	WPMV	✓	–	–
KF7XSX	F7X	✓	–	WPSX	–	✓	–
KF7XSV	F7X	✓	–	WPSV	–	✓	✓
KF7VMS	F7V	✓	✓	WPMS	✓	✓	–
KF7VMV	F7V	✓	✓	WPMV	✓	–	–
KF7VSV	F7V	✓	✓	WPSV	–	✓	✓
KF7MS	F7	–	–	WPMS	✓	✓	–
KF7MX	F7	–	–	WPMV	✓	–	–
KF7MV	F7	–	–	WPSX	–	✓	–
KF7SX	F7	–	–	WPSV	–	✓	✓
KF7SV	F7	–	–	WPMS	✓	✓	–
KF7SM	F7	–	–	WPMV	✓	–	–
KF7SX	F7	–	–	WPSX	–	✓	–
KF7SV	F7	–	–	WPSV	–	✓	✓



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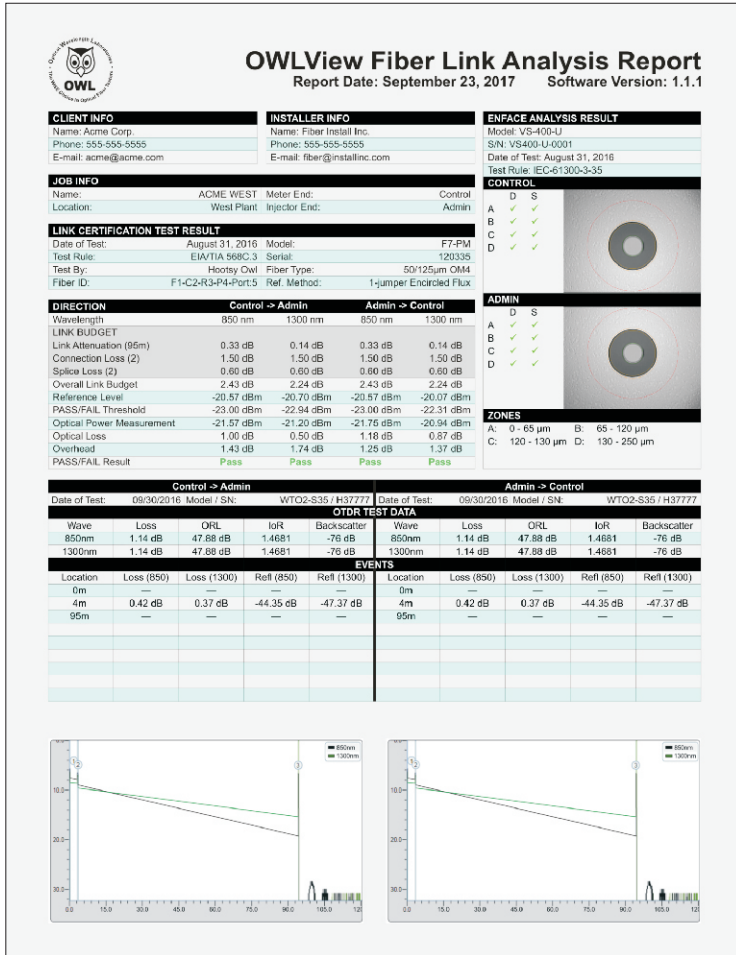


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**OWL - The WISE choice in fiber test!**

# WIN MORE BIDS FOR YOUR COMPANY!



**Tri-report.** Sooner or later, technicians will be required to provide their clients with comprehensive certification reports that include link certification results, OTDR traces and events, and endface analysis.

OWLView software gathers together all three of these critical data and formats them onto one single-page “Tri-report”.

**Link certification** provides clients with a PASS/FAIL test result, ensuring that fiber links are installed and tested according to popular industry standards, including TIA-568 and various levels of Ethernet.

When used with a corresponding light source, Fiber OWL 7 certifiers allow users to certify multimode and/or singlemode optical fiber links.

Many clients are also requesting **OTDR traces** for the purpose of “link characterization”; i.e. a visual “roadmap” of the fiber link. OTDR traces include a graphical representation of the fiber link that shows the different “events” in the fiber link including patch panels, and event tables show the relative loss of individual events.

OWLView software allows users to import OTDR traces taken with OWLTrek 2 OTDRs, and appends the traces to the link certification report.

Clients are also interested in seeing the quality of their fiber endfaces at the time of testing. **Endface analysis** digitally inspects a fiber endface image for scratches and defects that may adversely affect data transmission.

OWLView software includes PASS/FAIL endface analysis based on the popular IEC 61300-3-35 endface inspection standard, and can analyze JPG endface images taken with any fiber videoscope.

## OWLView TRI-REPORT CERTIFICATION • OTDR • ENDFACE

- **Win more bids for your company**
- **Required for cabling system warranties**
- **Superior to qualification test results**



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