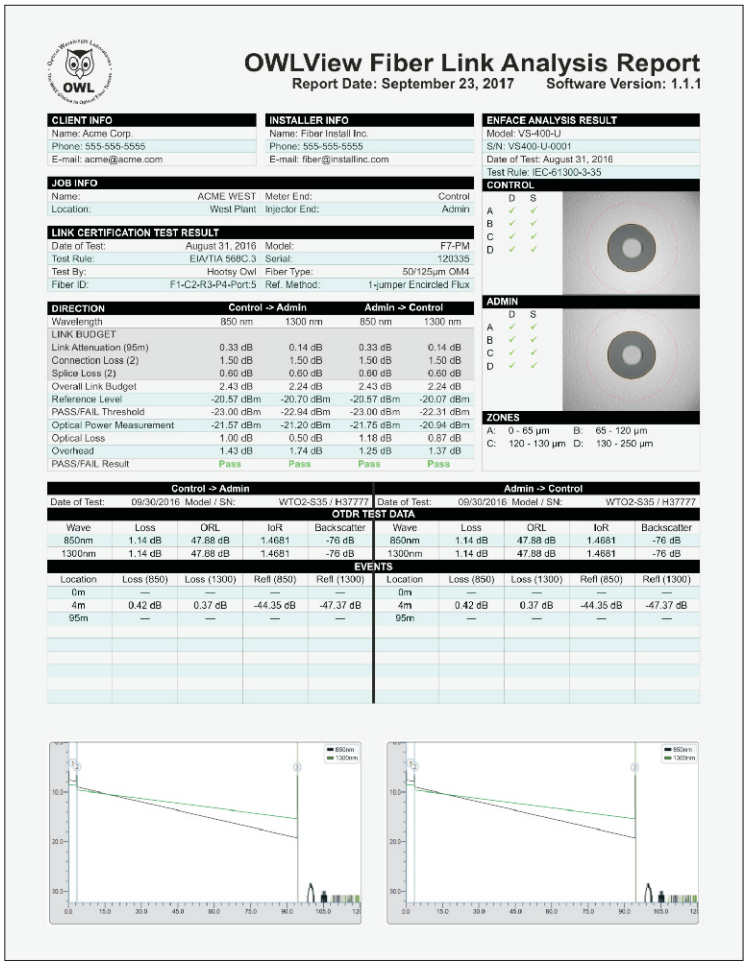
Optical Wavelength Laboratories Presents

FIBER OWL 7 BIDI

BI-DIRECTIONAL OLTS

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

WIN MORE BIDS FOR YOUR COMPANY!



OWLView Fiber Link Analysis Report
Report Date: September 23, 2017 Software Version: 1.1.1

CLIENT INFO	
Name: Acme Corp	
Phone: 555-555-5555	
E-mail: acme@acme.com	

INSTALLER INFO	
Name: Fiber Install Inc.	
Phone: 555-555-5555	
E-mail: fiber@installinc.com	

JOB INFO			
Name:	ACME WEST	Meter End:	Control
Location:	West Plant	Injector End:	Admin

LINK CERTIFICATION TEST RESULT			
Date of Test:	August 31, 2016	Model:	F7-PM
Test Rule:	EIA/TIA 568C.3	Serial:	120335
Test By:	Hootsy Owl	Fiber Type:	50/125µm OM4
Fiber ID:	F1-C2-R3-P4-Port:5	Ref. Method:	1-jumper Encircled Flux

DIRECTION	Control -> Admin		Admin -> Control	
Wavelength	850 nm	1300 nm	850 nm	1300 nm
LINK BUDGET				
Link Attenuation (95m)	0.33 dB	0.14 dB	0.33 dB	0.14 dB
Connection Loss (2)	1.50 dB	1.50 dB	1.50 dB	1.50 dB
Splice Loss (2)	0.60 dB	0.60 dB	0.60 dB	0.60 dB
Overall Link Budget	2.43 dB	2.24 dB	2.43 dB	2.24 dB
Reference Level	-20.57 dBm	-20.70 dBm	-20.57 dBm	-20.07 dBm
PASS/FAIL Threshold	-23.00 dBm	-22.94 dBm	-23.00 dBm	-22.31 dBm
Optical Power Measurement	-21.57 dBm	-21.20 dBm	-21.75 dBm	-20.94 dBm
Optical Loss	1.00 dB	0.50 dB	1.18 dB	0.87 dB
Overhead	1.43 dB	1.74 dB	1.25 dB	1.37 dB
PASS/FAIL Result	Pass	Pass	Pass	Pass

ENFACE ANALYSIS RESULT
Model: VS-400-U
S/N: VS400-U-0001
Date of Test: August 31, 2016
Test Rule: IEC-61300-3-35

CONTROL

	D	S
A	✓	✓
B	✓	✓
C	✓	✓
D	✓	✓

ADMIN

	D	S
A	✓	✓
B	✓	✓
C	✓	✓
D	✓	✓

ZONES
A: 0 - 65 µm B: 65 - 120 µm
C: 120 - 130 µm D: 130 - 250 µm

Control -> Admin					Admin -> Control				
Date of Test: 09/30/2016 Model / SN: WTO2-S35 / H37777					Date of Test: 09/30/2016 Model / SN: WTO2-S35 / H37777				
OTDR TEST DATA									
Wave	Loss	ORL	IoR	Backscatter	Wave	Loss	ORL	IoR	Backscatter
850nm	1.14 dB	47.88 dB	1.4681	-76 dB	850nm	1.14 dB	47.88 dB	1.4681	-76 dB
1300nm	1.14 dB	47.88 dB	1.4681	-76 dB	1300nm	1.14 dB	47.88 dB	1.4681	-76 dB
EVENTS									
Location	Loss (850)	Loss (1300)	Refl (850)	Refl (1300)	Location	Loss (850)	Loss (1300)	Refl (850)	Refl (1300)
0m	—	—	—	—	0m	—	—	—	—
4m	0.42 dB	0.37 dB	-44.35 dB	-47.37 dB	4m	0.42 dB	0.37 dB	-44.35 dB	-47.37 dB
95m	—	—	—	—	95m	—	—	—	—

OWLView TRI-REPORT

CERTIFICATION · OTDR · ENDFACE

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

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.

Fiber OWL 7 BIDI certifiers include two separate OLTS units – a master meter and a remote injector – that allow users to certify two fibers at two wavelengths simultaneously – 2 to 4 times as fast as traditional single-fiber link certification.

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.

Factory located in the heartland of the US!

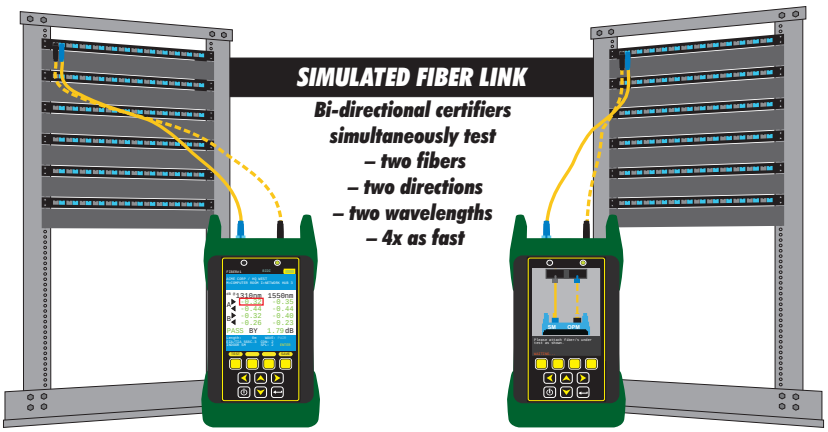
NIST TRACEABLE

OWL - The WISE choice in fiber test!

Fiber OWL 7 BIDI

Bi-directional Certification OLTS

- ***Win more bids for your company!***
- ***Smallest, lightest, most affordable bi-directional fiber optic link certification tester in the industry!***
- ***Certify two fibers in both directions simultaneously – four times as fast as traditional certification!***
- ***Tier 1 Certification for both multimode and singlemode in the same unit!***
- ***User-friendly diagrams guide users through the testing process!***
- ***Factory located in the heartland of the US!***



Encircled Flux Compliant

10-Gig Ready

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, the Fiber OWL 7 BIDI ensures high-speed multimode networks are compliant to standards-based EF requirements.

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 BIDI OLTS 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 BIDI OLTS 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	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)

FIBER OPTIC LIGHT SOURCE PORT	
Type (MM / SM)	LED / FP Laser
Center Wavelength	850 +30/-10 nm 1300 ±50 nm 1310 ± 30 nm 1550 ± 30 nm
Spectral Width (FWHM)	850 nm: 50 nm 1300 nm: 180 nm 1310 nm: 2 nm 1550 nm: 2 nm
Output Power (MM/SM)	-20 dBm / -10 dBm
Initial Accuracy (Uncertainty)	±0.1 dB
Output Modes	CW, Modulated

OPTICAL POWER METER PORT	
Detector Type	InGaAs
Wavelengths	850, 980, 1300, 1310, 1490, 1550, 1625 nm
Measurement Range	+5 to -70 dBm
Accuracy (Uncertainty)	±0.15 dB
Display Resolution	0.01 dB
Power Units	dBm, dB
Connector Type	Universal (2.5 mm and 1.25 mm)
Data Storage Points	<10,000
Download Port Connection	USB
Software	OWLView
Modes of Operation	PAIR, BIDI, CERT, LOSS, OPM
Length Measurement Range	up to 25 km
Length Measurement Accuracy	±2.5 meters

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