Optical Wavelength Laboratories Presents

New!

POCKET OTDR MULTIMODE

- Compact size
- Color LCD display
- Breakthrough pricing

OWLTrek II OTDR

OWL - The WISE choice in fiber test!

Small, pocket-sized OTDR does same job as larger, more expensive OTDRs, for a fraction of the cost

With an unbeatable combination of a small pocket-sized form factor, a large high-resolution 2.8" color LCD display, and some of the lowest pricing in the industry, the OWLTrek II OTDR from OWL is the WISE choice for cost-conscious buyers who only need to perform basic troubleshooting or restoration tasks on multimode optical fiber networks. All this from an OTDR that really is pocket-sized and fair priced, yet having comparable features and specifications to other OTDRs in its class.

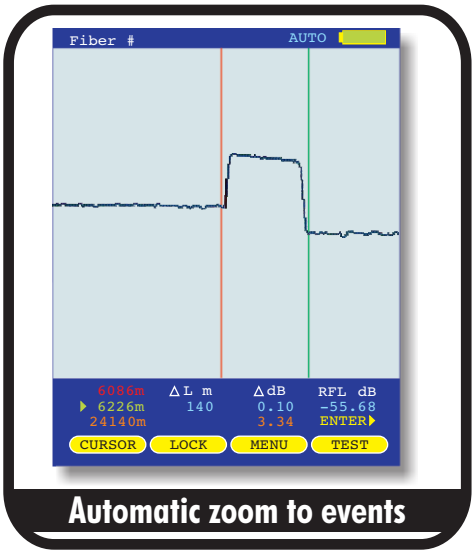
Affordability. In a time when it is becoming increasingly difficult to justify equipping an entire technical staff with high-end equipment, companies are even more cost-conscious than before. Outfit a majority of personnel with OWLTrek II multimode OTDRs, and set aside a few high-end "expert" devices for high-priority installs.

Usability. The OWLTrek II OTDR may be pocket-sized, but the large 2.8" high-resolution color LCD display can show even the longest traces with ease. And, for greater viewing flexibility and trace detail, OWL has implemented state-of-the-art MEMS technology which "flips" the high-resolution color LCD display between portrait and landscape mode automatically. In landscape mode, a wider viewing area means greater viewing detail.

Automatic Event Location. Automatic event location is an advanced feature normally found only in expensive, high-end OTDRs. The OWLTrek II OTDR now brings this feature to the entry-level OTDR market. While in event location mode, the OWLTrek II OTDR marks events on the trace, has an event table showing the location, type, reflectance level, and loss of each event, and auto-zooms to the selected event.

Dynamic Range vs. Distance. OWLTrek II multimode OTDRs are capable of finding breaks in multimode optical fibers up to 12 miles to within +/- 6 feet. Additional splices and other loss producing events will limit end distance estimates. This is true for all OTDRs. However, passive multimode links are rarely longer than 1.25 miles long! At that short distance, OWLTrek II has break-finding capability of about +/- 1 meter! In fact, increased dynamic range is actually a disadvantage in almost all cases because of the increased OTDR cost (usually thousands of dollars more).

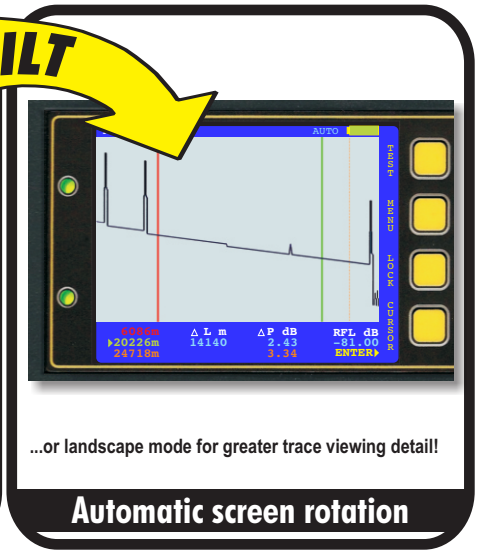
Call OWL at 262-473-0643 for more information about this new and exciting development in OTDR testing, and discover why OWL is the wise choice in fiber test equipment!



Automatic zoom to events

View traces in portrait mode...

Small pocket-sized form factor



...or landscape mode for greater trace viewing detail!

Automatic screen rotation

Optical Specifications			
Model #:	**WTO2-M13**		**WTO2-M83**
Output Wavelength:	1300nm		850/1300nm
Fiber Type:	Multimode		
Dynamic Range (SNR=1)[1]:	29 dB		27/29 dB
Distance Range[4]:	12 miles (20 kilometers)		
Event Dead Zone[2]:	2 meters (typical)		
Attenuation Dead Zone[3]:	5 meters (typical)		
Maximum Data Points:	64000		
Data Point Spacing:	1 meter		
Pulse Width:	1, 2, 5, 10, 20, 50, 100 meters		
Index of Refraction:	1.4000 to 1.6000		
ORL Measurement:	up to 76dB		
Distance Accuracy:	1 + (distance in meters/10000)		
Number of Stored Traces:	Using maximum trace distance: up to 400 // Using minimum trace distance: 3000+		
Connector Type:	LC/UPC		

General Specifications	
Display Type:	High-resolution Color LCD
Display Size:	2.8" diagonal
Battery Type:	Lithium Polymer
Battery Life:	up to 20 hours normal usage
Dimensions:	2.87" x 4.42" x 1.25"
Weight:	10 ounces (284 g)
Visual Fault Locator Specifications	
Output Wavelength:	650nm
Output Power:	1 mW
Operating Mode:	CW / Flash
Connector Type:	LC/UPC

Optical Power Meter Specifications	
Photodetector:	InGaAs
Connector:	2.5/1.25mm universal
Fiber Type:	Multimode / Singlemode
Wavelengths:	850, 980, 1300, 1310,
	1490, 1550, 1625
Accuracy:	±0.15 dB
Resolution:	0.01 dB
Measurement Units:	dBm / dB
Measurement Range:	+5 to -50 dBm (typical)
	(varies with wavelength)

1: Using maximum pulse width
2: Width measured 1.5dB down on each side of a reflective event using 1 meter pulse width
3: Distance from event beginning to within 0.5dB where backscatter resumes using 1 meter pulse width
4: Out to furthest reflective event

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

FACTORY LOCATED IN THE HEARTLAND OF AMERICA

Optical Wavelength Laboratories · The WISE Choice in Optical Fiber Testers · OWL