

**Optical Wavelength Laboratories Presents**

# POCKET OTDR SINGLEMODE



- **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 singlemode 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.

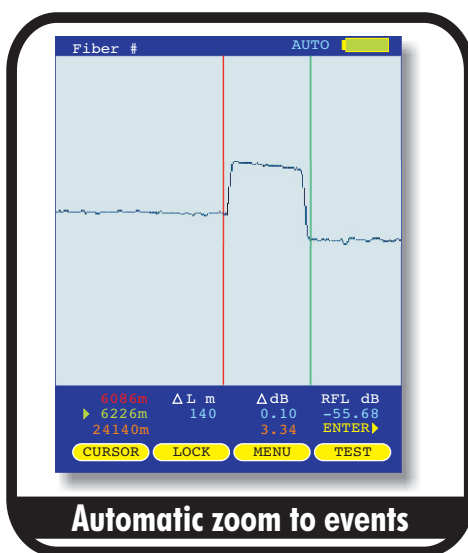
**Affordability.** In a time when it is becoming increasingly difficult to justify equipping an entire technical staff with high-end equipment, companies are even more cost-conscious than before. Outfit a majority of the installation/repair trucks with OWLTrek II OTDRs, and set aside a few high-end "expert" vehicles for high-priority roll-outs.

**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 singlemode OTDRs are capable of finding breaks in singlemode optical fibers up to 80 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 singlemode Telco links are almost always less than 12 miles long. At this distance, OWLTrek II OTDRs have 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!

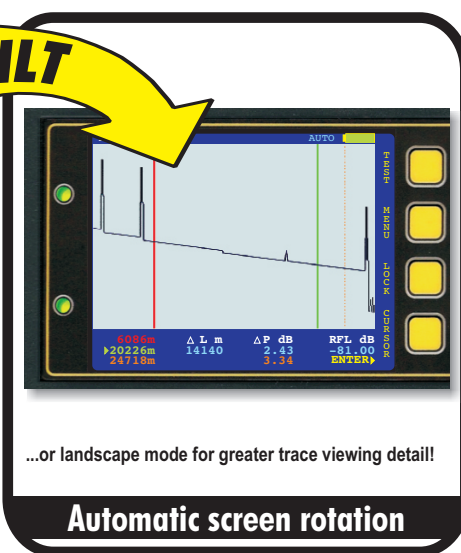


**Automatic zoom to events**



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-S13	WTO2-S15	WTO2-S35
Output Wavelength:	1310nm	1550nm	1310/1550nm
Fiber Type:	Singlemode		
Dynamic Range (SNR=1) <sup>2</sup> :	28 dB	27 dB	28/27 dB
Distance Range <sup>5</sup> :	80 miles (128 kilometers)		
Event Dead Zone <sup>3</sup> :	2 meters (typical)		
Attenuation Dead Zone <sup>4</sup> :	5 meters (typical)		
Maximum Data Points:	64000		
Data Point Spacing:	Up to 64km: 1 meter // Over 64km: 2 meters		
Pulse Width:	1, 2, 5, 10, 20, 50, 100, 200, 500, 1000 meters		
Index of Refraction:	1.4000 to 1.6000		
Distance Accuracy:	Up to 64km: 1 + (distance in meters/10000) // Over 64km: 2 + (distance in meters/10000)		
Number of Stored Traces:	Maximum trace distance: up to 200 // Minimum trace distance: 3000+		
Connector Type:	LC/UPC		

1: All price shown are in US Dollars (USD). List price is shown for US customers only. Prices outside the US may vary based on individual countries' import duties and taxes, currency conversion, and other value added charges.

2: Using maximum pulse width

3: Width measured 1.5dB down on each side of a reflective event using 1 meter pulse width

4: Distance from event beginning to within 0.5dB where backscatter resumes using 1 meter pulse width

5: Out to furthest reflective event

**Optical Wavelength Laboratories**



FACTORY LOCATED  
IN HEARTLAND OF  
AMERICA



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:	2.5mm 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)