

**Optical Wavelength Laboratories Presents**

*New!*

# 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.

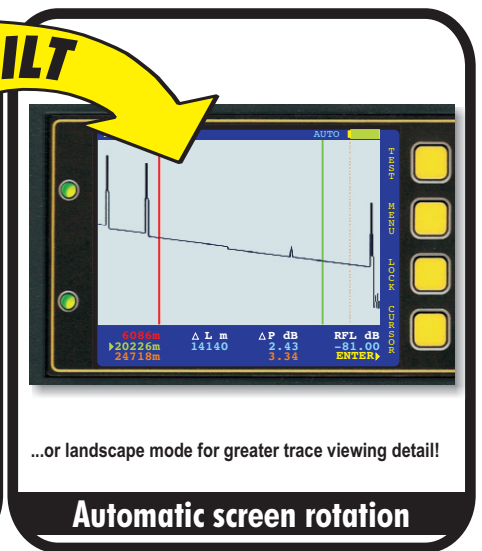
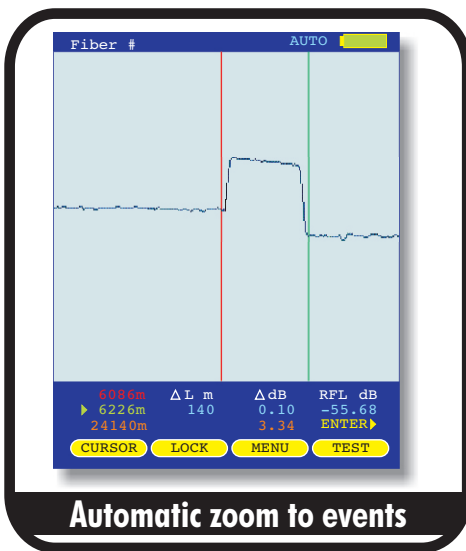
**Affordability.** In a time when it is becoming increasingly difficult to justify equipping an entire technical staff with high-end equipment, companies are even more cost-conscious than before. Outfit a majority of the installation/repair trucks with OWLTrek II OTDRs, and set aside a few high-end "expert"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



| 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   | 26 dB    | 28/26 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> : | 7 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:                      | SC/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                  |

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**  
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FACTORY LOCATED  
 IN HEARTLAND OF  
 AMERICA

