

USB Powered OTDR

AF-uOR-100 Series

Product: OTDR-100	Date: Jan:2009	Rev: 01
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Description

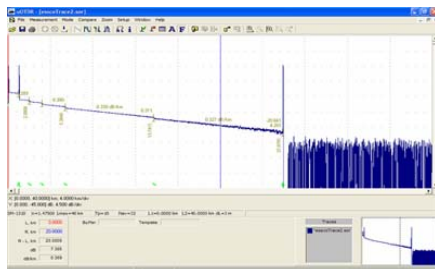
The AF-uOR-100 series is designed for multimode applications. All our PC-Based OTDR's measure the attenuation in optical fibers and splices, as well as the length and the distance to any event, such as a break in a fiber link. The Micro OTDR is the perfect tool for the construction, maintenance and restoration of cable plants and also as an educational tool. The Micro OTDR is accurate enough for laboratory use but portable and rugged enough for field applications.



The Micro OTDR consists of the single, small rugged case, it is lightweight and has a low power consumption. The Micro OTDR is used in conjunction with a PC or Laptop with a USB interface, eliminating the need for batteries completely! The USB connection allows the Micro OTDR to be controlled from a laptop or PC and runs off of Windows operating system. The Micro OTDR software allows the user to determine all the necessary characteristics of the Optical Fiber and is capable of displaying, storing, reading, printing and analyzing several traces at the same time.

Product Highlights and Key Features	
◦ Compact and rugged case	◦ Windows application software (Bellcore .sor format)
◦ Filtering function	◦ Product report certificate included
◦ Events table and auto test function	◦ Traces stored directly to PC hard drive
◦ USB powered, no external batteries required	◦ Language – English, Spanish + Korean
◦ Low cost and portable	◦ <i>New09 – High resolution units AF-uOR-102 & 100A</i>

OTDR Trace



Compact and Rugged Case

Technical Specifications



Model Number	Wavelength (±30nm)	Dynamic Range (dB)	Attenuation Dead Zone	Event Dead Zone	Pulsewidth
AF-uOR-101	850nm/1300nm	26/25dB	12 Meters	3 Meters	10....1000nS
AF-uOR-102 *	850nm/1300nm	20/19dB	3 Meters	1 Meter	5....1000nS
AF-uOR-100A *	850nm	22dB	3 Meters	1 Meter	5....1000nS
All Units					
Distance Range	2.5*,5,10,20,40,80,120,160,240 Km				
Loss Resolution	0.001dB				
Distance Accuracy	$\pm(0.5+5 \cdot 10^{-5} L+(\delta n/n) L)$				
Refractive Index Range	1.0000....2.0000				
Optical Connector Style	ST, FC & SC				
Supply Current from USB Port	<200mA				
Size	6.25 x 3 x 1.25 inches				
Weight	1.5 lbs				
Language	English and Spanish				
Unit Measurement	Meter, Feet, KM + KF				

Temperature Specifications	
Operation Temperature	0°.. +40°C
Relative Humidity	95% Without Condensation

Ordering Information

AF-uOR-XXX(X)

XXX(X) (Model no.)	Wavelength	Description	Dynamic Range
101	850/1300nm	Multimode	26/25 dB
102	850/1300nm	Multimode (High Resolution)	20/19dB
100A	850nm	Multimode (High Resolution)	22dB