

USB Powered OTDR

AF-uOR-300 Series

Product: OTDR-300

Date: Jan:2009

Rev: 01

Description

The AF-uOR-300 series is designed for both multimode and single mode applications. We currently offer one product in this series the **AF-uOR-301**. 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.

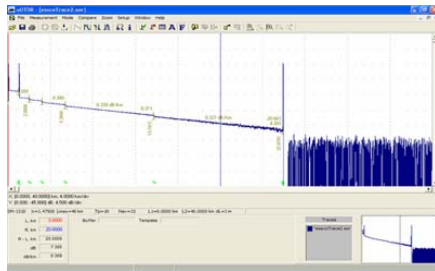
The Micro OTDR consists of the single, small rugged case, it is lightweight and has a low power consumption. The Micro OTDR is used in conjunction with a PC or Laptop with a USB interface, eliminating the need for batteries completely! The USB connection allows the Micro OTDR to be controlled from a 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	◦ Quad wavelength 850/1300/1310&1550nm

OTDR Trace



Compact and Rugged Case

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ADVANCED FIBER SOLUTIONS

Technical Specifications



Model Number	Wavelength (±30nm)	Dynamic Range (dB)	Attenuation Dead Zone	Event Dead Zone	Pulsewidth
AF-uOR-301	850nm/1300nm/1310nm/1550nm	26/26/28/29dB	6/12 Meters	1.5/3 Meters	10....20000nS
All Units					
Distance Range	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	Application	Dynamic Range
AF-uOR-301	850nm/1300nm/1310nm/1550nm	Single Mode/Multimode	26/26/28/29dB