# USB Powered OTDR AF-uOR-200 Series

| Product: OTDR-200 | Date: Jan:2009 | Rev: 01 |
|---|---|---|

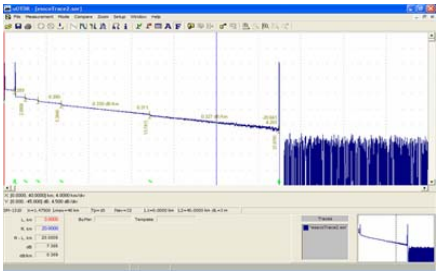
## Description


The AF-uOR-200 series is designed for single mode applications. Our resent additions to this line include three new low cost units the **AF-uOR-200A**, **200T** and **200E**. We are also please to introduce our latest unit in the 200 series, the **AF-uOR-210** designed for FTTH applications. All of 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 | ° *New09* – FTTH unit AF-uOR-210 |

OTDR Trace



Compact and Rugged Case

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# Technical Specifications

| Model Number | Wavelength (±30nm) | Dynamic Range (dB) | Attenuation Dead Zone | Event Dead Zone | Pulsewidth |
|---|---|---|---|---|---|
| AF-uOR-200A | 1310nm/1550nm | 29/29dB | 6 Meters | 1.5 Meters | 10….20000nS |
| AF-uOR-200T | 1310nm | 30dB | 6 Meters | 1.5 Meter | 10….20000nS |
| AF-uOR-200F | 1550nm | 30dB | 6 Meters | 1.5 Meter | 10….20000nS |
| AF-uOR-201 | 1310nm/1550nm | 32/31dB | 6 Meters | 1.5 Meters | 10….20000nS |
| AF-uOR-203 | 1310nm/1550nm | 40/39dB | 6 Meters | 1.5 Meters | 10….20000nS |
| AF-uOR-204 | 1310nm/1550nm | 43/42dB | 6 Meters | 1.5 Meters | 10….20000nS |
| AF-uOR-210 | 1310nm/1550nm/1625nm | 35/34/32dB | 6 Meters | 1.5 Meters | 10….20000nS |

| All Units | |
|---|---|
| Distance Range | 5,10,20,40,80,120,160,240 Km |
| Loss Resolution | 0.001dB |
| Distance Accuracy | ±(0.5+5´10-5´L+(δn/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-200A | 1310nm/1550nm | Single Mode | 29/29dB |
| AF-uOR-200T | 1310nm | Single Mode | 30dB |
| AF-uOR-200F | 1550nm | Single Mode | 30dB |
| AF-uOR-201 | 1310nm/1550nm | Single Mode | 32/31dB |
| AF-uOR-203 | 1310nm/1550nm | Single Mode | 40/39dB |
| AF-uOR-204 | 1310nm/1550nm | Single Mode | 43/42dB |
| AF-uOR-210 | 1310nm/1550nm/1625nm | Single Mode (FTTH) | 35/34/32dB |

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