

OP1100

Discontinuity Analyzer

Overview

Discontinuity Analyzer

The **OP1100** Discontinuity Analyzer is an off-the-shelf fiber optic test system that automatically captures, displays and logs short optical power interruptions and dropouts in accordance with EIA/TIA-FOTP-32A.

This test solution provides a method for testing a broad variety of passive or active fiber optic components for susceptibility to discontinuities (signal dropout, transient output or transmittance fluctuations) during application of an external stimulus, such as temperature, vibration or physical shock.



Model OP1100 16 Channel Discontinuity Analyzer and OP710 Multichannel Optical Power Meter

Features

- Single mode/Multimode capable
- Input power range of -40dBm to 0dBm
- Selectable dropout detection range of 0.8µs to 1s
- Selectable loss threshold of 0.5dB to 3dB
- Bundled **OPL-DISC** application that records data directly into a spreadsheet
- USB Interface for seamless remote control
- Support of most common connector options (FC, ST, SC, etc...)

SPECIFICATIONS

OP1100	OP1100
Optical Power Meter	Input power range: +6dBm to -40dBm Wavelength Range: 830nm to 1650nm
Optical Receiver	80µm InGaAs Detector >2MHz Bandwidth Linear amplifier output 0 to 2.5V
Discontinuity Detection	Event duration: >0.8µs to 1s Event amplitude: >= 0.5dB Sampling interval: 0.4µs Event trace: 750 samples
Data Interface	USB 1.1, USB 2.0 compatible data rate and interconnect
Operating Temperature Range	0°C to 50°C (32°F to 122°F)
Optical Interface	Fixed FC (others upon request)
Power Supply (order country specific)	US Standard or Euro Standard
Mechanical Dimensions	Standard 19" rack, 2U (16.8 x 3.8 x 10 inch)

Laser Classifications

All **OP940 Insertion Loss and Return Loss Test Sets** utilize a **Class I Laser Source**. Unless otherwise noted, all **OP250**, **OP715**, and **OP750** source units with internal laser sources utilize a **Class I Laser Source**. Unless otherwise noted, all **OP815** and **OP850 Insertion Loss Test Sets** with internal laser sources utilize a **Class I Laser source**. All **OP280 Visual Fault Finder** units utilize a **Class III Laser Source**.

OptoTest strongly suggests that all necessary precautions be taken whenever any Class I or Class III laser source is used.

Specifications are subject to change, please confirm specific performance characteristics of the product at the time of ordering. All specifications are valid within temperature range of 18°C to 24°C unless otherwise noted. For additional specifications please contact OptoTest.