

OP1100

Discontinuity Analyzer

Overview

Insertion Loss Measurement

The OP1100 Discontinuity Analyzer is an off-the-shelf fiber optic test system that automatically captures, displays and logs short optical power interruptions and spikes 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 drop-out, 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

- Singlemode/Multimode capable
- Input power range of +6dBm to -40dBm
- Selectable dropout detection range of 1 μ sec, 10 μ sec, or 50 μ sec
- Selectable loss threshold of 0.5dB to 3dB
- Bundled OPLTrans application that records data directly into EXCEL (microsoft) or just spreadsheet
- USB Interface for seamless remote control
- Support of most common connector options (FC, ST, SC, and others)

Detail Specifications	Optical Power Meter	Input power range: +6dBm...-40dBm Wavelength Range: 830nm..1650nm
	Optical Receiver	80 μ m InGaAs Detector >2MHz Bandwidth Logarithmic amplifier output 0...4.2V
	Discontinuity Detection	Event duration: >0.5 μ sec to 500 μ sec Event amplitude: \geq 0.5dB Sampling interval: 0.2 μ sec Event trace: 256,000 samples
	Data Interface	USB 1.1, USB 2.0 compatible data rate and interconnect
	Operating Temperature Range	0C to 50C (32F to 122F)
	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)

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