FiberWarrior OTDR Specifications

Wavelengths:

MM: 850nm, 1300nm; SM: 1310nm, 1550nm (±20nm) MM: 22/22dB, typical, SNR=1

Dynamic Range:

SM: 33/32dB, typical, SNR=1

10ns to 20μs

Pulsewidth Range:

Loss Resolution:

0.01dB

±0.05dB/dB

>103km (1310nm), 200km (1550nm)

<3m

Event Deadzone: Maximum Reach:

Linearity:

Attenuation Deadzone: <12m

Sample Points:

16,000 standard (up to 64,000, depending on configuration)

Introduction

personnel, and other fiber specialists with a comprehensive, yet easy to use tool to measure critical fiber the FiberWarrior will provide years of accurate optical fiber measurements and analysis. parameters. Through the use of quality components, a ruggedized design, and an expandable platform, The OptiConcepts FiberWarrior series of OTDRs provides contractors, technicians, engineers, quality

optical fiber and components. It can measure these characteristics with access to only one end of the equipment for testing optical fibers within network cables. The OTDR measures distance and loss of attenuation and point discontinuities. The graph displayed on the screen of an OTDR is called a trace. fiber, which makes the OTDR a very unique tool since fibers can be many miles long. The OTDR works The FiberWarrior Optical Time Domain Reflectometer (OTDR) is one of the most versatile pieces of shows some typical characteristics of an optical fiber and is referred to as a signature trace. Note the splices, damage, etc. The drop in power of the discontinuity indicates its loss. The following OTDR trace indicates fiber loss. Discontinuities in the trace indicate the location of events, such as connectors, The traces show signal strength as a function of the distance along the fiber. The slope along the trace fraction of light that is reflected back into the unit. This reflected light can be used to show the user fiber like a radar where short pulses of light are transmitted down the fiber under test and measures the small overall appearance of the trace, the vertical height, and the horizontal slope. Each characteristic has a specific meaning.