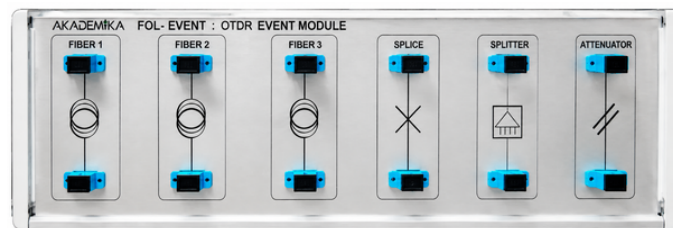


FOL-EVENT

Fiber Optic Event Module



FEATURES

- The Fiber Optic Event Module is mounted on a Sturdy Aluminium Casing containing three Test Singlemode Optical Fiber Network suitable for uni & bi-directional interrogation. The network include various elements such as Fiber splices, splitters and attenuators. This units can be coupled with a professional OTDR for Event identification and location, Line, components, splice measurements, analysis of network with deliberately introduced faults.
- This module is specifically developed for academic laboratories, training institutes, and skill-development programs to help students and engineers understand the practical aspects of OTDR operation, event detection, and loss measurement.
- The module supports testing at standard telecommunication wavelengths (1310 nm and 1550 nm)

SPECIFICATIONS

Fiber-1

- Length of Fiber : 100 meter
- Fiber : 9/125 μ m Singlemode, Glass Fiber

Fiber-2

- Length of Fiber : 500 meter
- Fiber : 9/125 μ m Singlemode, Glass Fiber

Fiber-3

- Length of Fiber : 1000 meter
- Fiber : 9/125 μ m Singlemode, Glass Fiber

Optical Splitter (SMF)

- Splitter type : 1:4 Splitter (1 I/P & 4 O/P)
- Connector : SC / PC Type

Optical Attenuator (SMF)

- Attenuation : 10 dB
- Connector : SC / PC Type

Splicing (SMF)

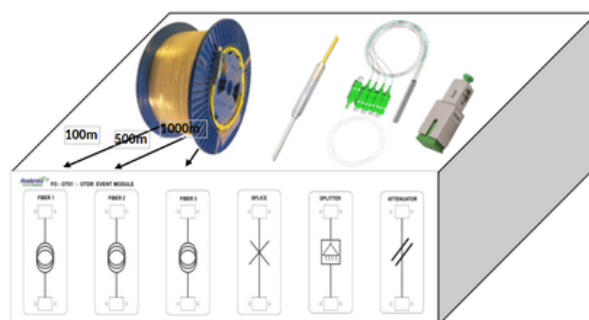
- Type : Fusion Splicing

EXPERIMENTS

- Determination of event location and fiber link lengths.
- Determination and measurement of Rayleigh scattering losses along a fiber link and fresnel end reflections at 1310 and 1550nm.
- Measurement of fiber connector and standard splice losses.
- Fault location and analysis of series of networks with deliberately introduced faults.
- **Note:** OTDR is needed for perform the above experiments.



Results of OTDR event module



Assembly of OTDR EVENT MODULE