Acterna MTS 5000e Series

OTDR and Loss Test modules

Advanced modular tester for Fiber Characterization

The unique Acterna Media Test Set (MTS[e]) is a universal fiber test platform with a range of plug-in modules providing a comprehensive, integrated solution for OTDR, DWDM, Chromatic Dispersion and Polarization Mode Dispersion testing in one field-rugged instrument. Powerful, easy to use and highly cost-effective, MTS[e] is designed to push the boundaries of field test productivity for network installers, operators and maintenance teams.

A wide range of field-interchangeable modules is available for the MTS[e] platform, including OTDRs for short haul (SR), medium haul (DR), long haul (HD), very long haul (VHD) and 1625 nm, WDM modules for C and L-band testing, optical spectrum analyzers, polarization mode dispersion and chromatic dispersion testers, visual fault locators, optical talk sets and a range of light sources and power meters.

Acterna's optical time domain reflectometer (OTDR) and loss test (LTS) plug-in modules are compact, yet powerful additions to the MTS[e] family of testers.

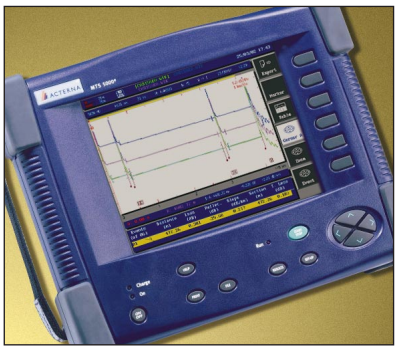
The OTDR module is the industry's fastest, offering the highest performance solutions of any OTDR field instrument on the market. Used with the MTS[e] platform, both the OTDR and LTS modules deliver high accuracy, cost-effective, reliable testing for the installation and maintenance of optical fiber networks.

Highlights

- New generation singlemode and multimode modules
- From LAN (1.5 m event dead zone) to very long haul applications (44 dB dynamic range)
- High performance testing (up to 128,000 acquisition points with 0.1 s realtime sweep)
- Fiber characterization using field interchangeable CD, PMD, LTS, OTDR, DWDM testing modules
- Offers maximum portability (3.5 kg) and up to 16 hours battery operation
- A complete range of PC software to enhance your OTDR reporting capabilities on MTS[e]

ACTERNA
The Keepers of Communications

The Acterna MTS^{e} OTDR is the fastest, most reliable and accurate OTDR on the market currently



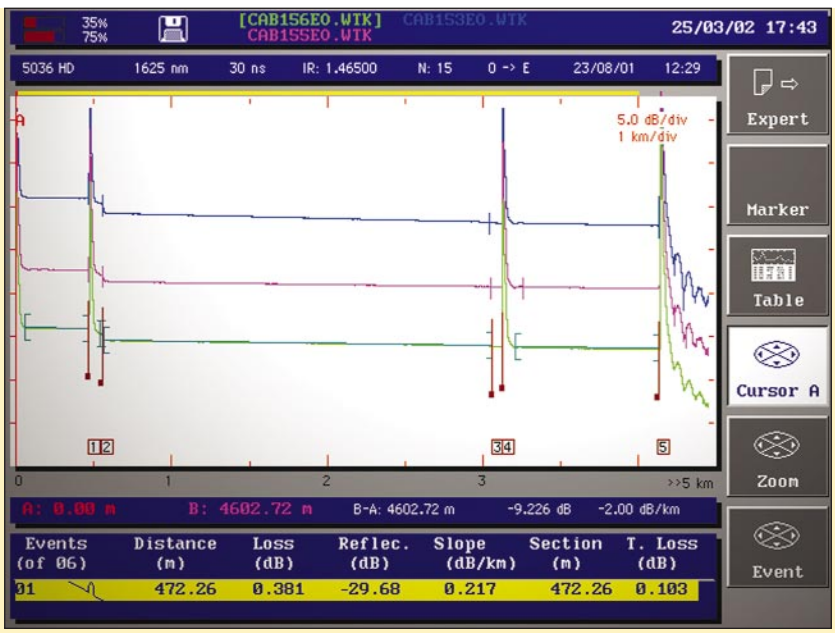
Taken together, the module's automation and rapid testing features offer impressive time savings for companies involved in commissioning and locating faults in optical fiber networks.

Maximizing field productivity

The most important prerequisites for testing in the field are ease-of-use and speed of acquisition. The OTDR module ensures maximum test productivity by providing one-button, automated operation for all of its critical test routines and a very high data acquisition speed of 40 dB in seconds.

Delivering the industry's highest performance OTDR

The MTS^{e} OTDR module is the fastest and most accurate OTDR to-date. It offers a dynamic range of up to 44 dB at 1550 nm and boasts a 0.1 second sweep time. As part of the MTS^{e}, the OTDR module has a test capability of more than 200 km and can measure up to 128,000 separate datapoints with 4 cm sampling resolution. The product's short deadzone enables the user to differentiate events down to 1 meter.



Multiple wavelength display with a single press of a button

Optimized functions for in-depth analysis/operation

The OTDR's bidirectional analysis capability enables true splice loss measurement with both end traces. Its multiple trace management feature greatly assists the process of proactively managing fiber problems and helps compare different current and stored measurements for in-depth analysis. A powerful macro function enables users to perform a series of tests without ongoing user intervention.

Suitable for every skill level

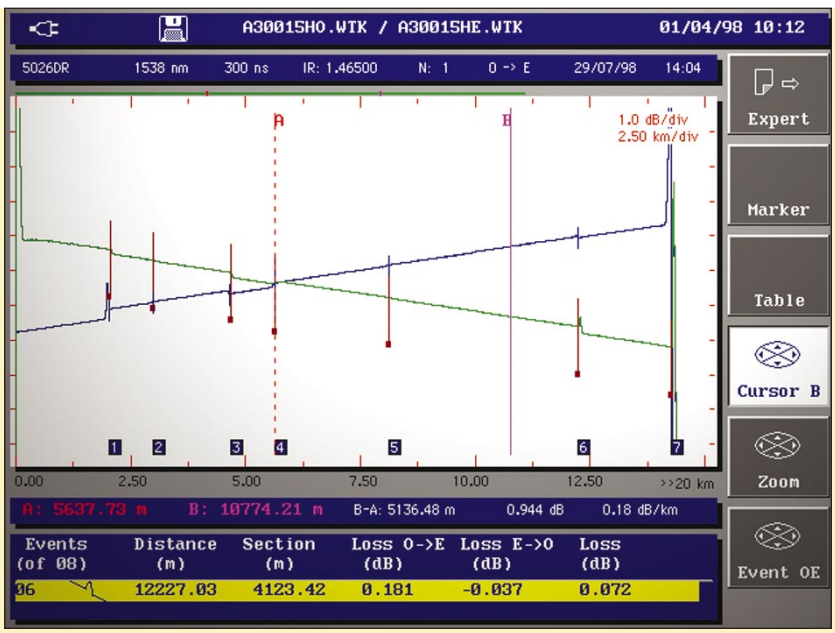
Whatever the user's skill level, the OTDR module and MTS[e] instrument combination can rise to the challenge. Direct access keys ensure that users can access all the instrument's sophisticated features via a highly intuitive interface and by a comprehensive setup and results screen. The OTDR module delivers complete trace analysis, with a direct link between trace and table.

Enhanced reporting power

Powerful instruments require powerful reporting tools. The OTDR and loss test set come with the most complete analysis and reporting software. The package supports direct Ethernet transfer to a PC running Acterna's OFS-100 Optical Fiber Trace Software or OFS-200 Optical Fiber Cable Software. This enables users to perform automatic multiple trace analysis and print out cable test results in batches, for fast generation of dedicated acceptance reports.

A multitude of testing excellence models

The MTS[e] houses all the essential tools for installation and maintenance of fiber optic links. The complete range of test modules enables fiber characterization using a single unit.



Bidirectional trace and table