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OFS-100/-200

Optical results analysis & cable acceptance report generation software

Key Features

OFS-100

- OTDR, CD, PMD, AP, ORL and OSA results analysis
- Batch processing capability via an automation process
- Pass/Fail function
- Customized printouts

OFS-200

- Complete fiber characterization reporting capability including bi-directional OTDR, CD, PMD, AP, IL and ORL results
- Advanced OTDR functions for loop back and mid-point management
- Powerful report preview for error free printout
- Direct access keys for easy process and efficiency

Process OTDR, PMD, CD, DWDM measurements in the office

Developed by JDSU, the leading provider of fiber optic network testing solutions, OFS-100 Optical Fiber Trace Software is an intuitive Windows- based software package for post-processing of optical time domain reflectometer (OTDR), polarization Mode dispersion (PMD), chromatic dispersion (CD), optical spectrum analysis (OSA) and optical return loss (ORL) measurements in an office environment. JDSU OFS-100 Optical Fiber Trace Software enables fast and efficient post-analysis of the test results carried out in the field. It allows results documentation and customization for report generation
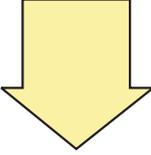
Generate cable acceptance reports in record time

OFS-200 Optical FiberCable Software is an intuitive Windows-based software package for the analysis, presentation and storage of large volumes of optical test data in an office environment.
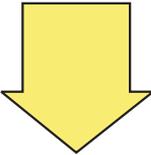
It allows users to generate detailed, professional and comprehensive cable acceptance reports in less than a third of the time required using existing methods.

By using JDSU's OFS-200 Optical Fiber Cable Software, OTDR, CD, PMD, insertion loss (IL), attenuation profile (AP) and ORL data collected in the field can be simply downloaded to a PC. Processing can then take place at a time convenient to office schedules and the instruments made available immediately for further fieldwork.
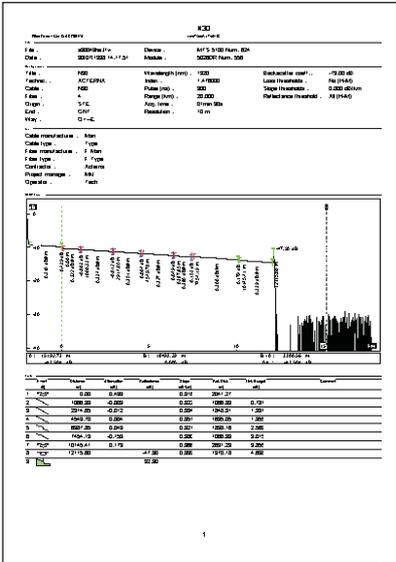
2

Save series of actions

Associate multiple files

Process associated files with a series of actions

Macro process

Trace report printout

OFS-100 FiberTrace

All-in-One optical results post processing solution

The OFS-100 is a fully integrated single PC software to analyze OTDR, CD, PMD, OSA and ORL results with a unique user interface.

Complete and detailed measurement capability

From automatic to manual measurements, the OTDR function allows in depth OTDR traces analysis, bi-directional analysis and multiple trace management with automatic template generation. CD, PMD and OSA measurement parameters can also be refined for further analysis.

Customized batch processing function to improve productivity

The Macro function allows automatic routine tasks to be programmed in order to perform repetitive, simple or complex actions on a batch of files. Any of the actions can be saved into a sequence and be applied to a series of files. Modifying, saving and printing a batch of files become a matter of a key press.

Documenting and generating professional reports

The JDSU OFS-100 software allows customization of the field results with additional comments, color coding and project management information. Corresponding results can be printed in a user configurable format in order to match the end user requirements.
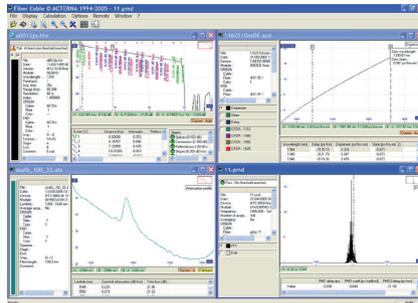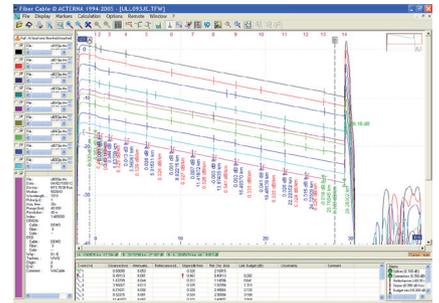
Figure 1: FiberTrace: all-in-one solution

Figure 2: Multi trace analysis for automatic template generation
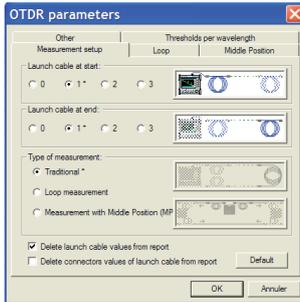
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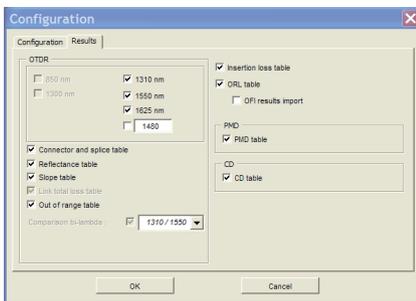Figure 3: OFS-200 FiberCable: OTDR report parameter sertup

Figure 4: OFS-200 FiberCable report format configuration

OFS-200 FiberCable

Complete optical fiber characterization report solution

FiberCable simultaneously automates processing operations of all your test data on an unlimited number of fibers. Bi-directional OTDR, IL, ORL, PMD and CD results are compiled into a single spreadsheet format report (Excel™ compatible), thus providing unique and immediate access to all these measurements.

Advanced OTDR function management

In addition to conventional bi-directional OTDR trace management, FiberCable offers advanced and powerful functions with loop back and mid-point measurement capability.

Error free cable report generation

Acceptance report generation is still a tedious process with a high risk of operating errors. Time is important but what about risk management and quality reporting to the end customer? This question has been addressed by FiberCable thanks to an «on-line» measurement status combined with a permanent out of range values information report. The unique «Report Preview» function offers an ultimate checkpoint before generating the final document ... error free!

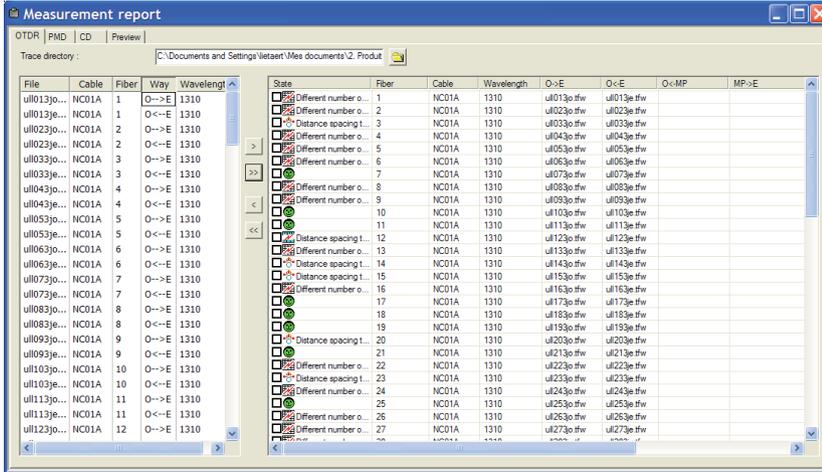### Save time and cost while leveraging your reporting performance

With its intuitive user interface and simple operating steps, FiberCable is the ideal tool to minimize the processing time and the risk of error generation.

Whatever the number of fibers to process, FiberCable provides error free reports in less time than any existing solutions. Direct access to bi-directional OTDR, CD and PMD traces, batch printout while generating the spreadsheet report, allows additional optimization of working time.
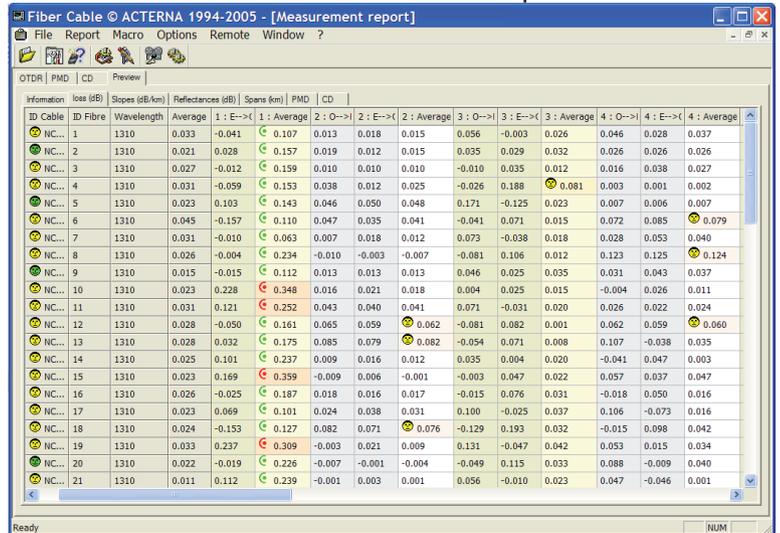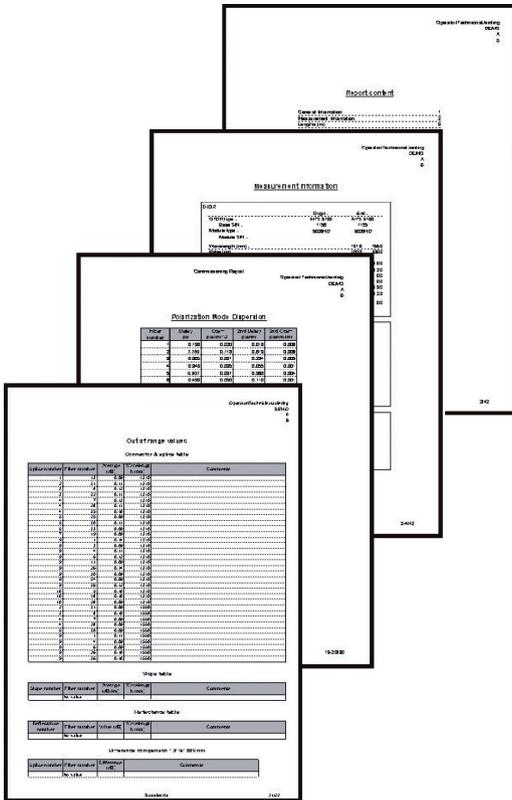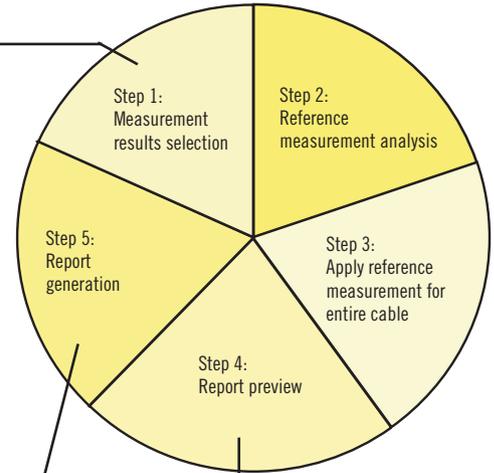
Comprehensive, detailed and professional report generation

In a single-step, FiberCable compiles all the data into a professional document. The report includes events, fibers and cable statistics, providing an out-of-range values summary and multiple-wavelength comparison pinpoints fiber constraints or micro-bends. In addition to the pre-defined spreadsheet format (standard and compact spreadsheets), the software flexibility allows report customization to better match the end customer requirements.

OFS-200 complete cable report generation solution: detailed, professional and error free!
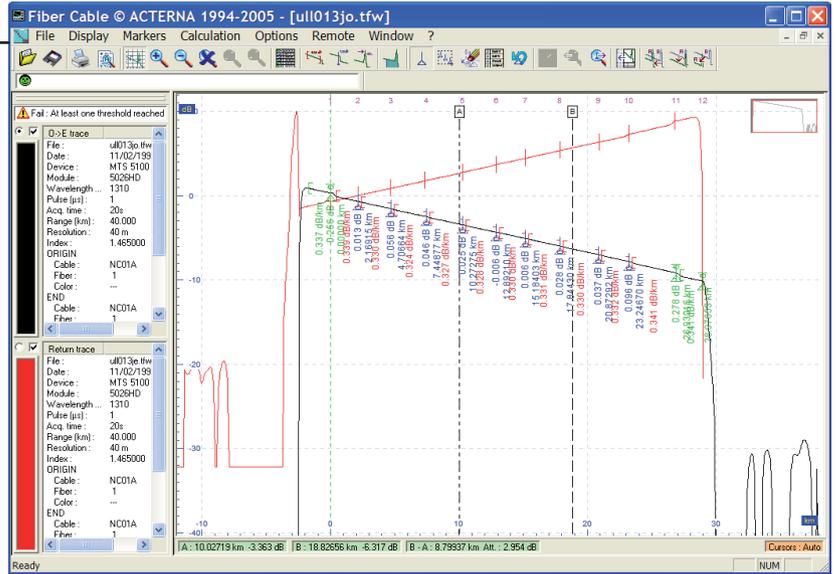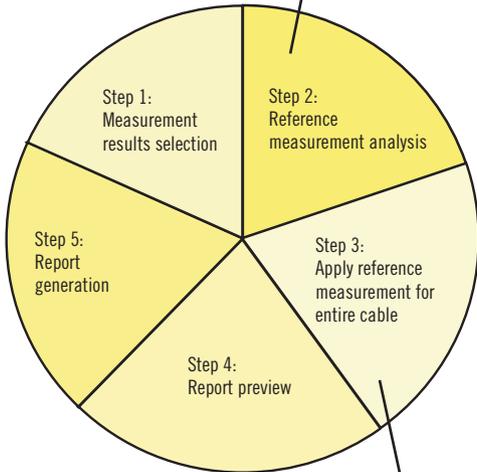

Step 1: Bi-directional OTDR analysis status

Step 1:
Measurement
results selection

Step 2:
Reference
measurement analysis

Step 3:
Apply reference
measurement for
entire cable

Step 4:
Report preview

Step 5:
Report
generation

Step 5: Complete and professional measurement report document

Step 4: Incorrect, missing and out-of-range results pointed out

Step 2: Events positioning and out-of-range values information

Step 1:
Measurement
results selection

Step 2:
Reference
measurement analysis

Step 3:
Apply reference
measurement for
entire cable

Step 4:
Report preview

Step 5:
Report
generation

Step 3: Bi-directional OTDR analysis status update

Features, applications and benefits

OFS-100 Optical FiberTrace

Remote control and file transfer via RS232 or Ethernet	Direct access to the MTS for fast file transfer
OTDR Bellcore/Telcordia Trace format compatible	Complies with GR-196-CORE issue 2 OTDR data standard revision 1.0/1.1/2.0
Automatic OTDR traces analysis	Provides splices, connectors, fiber attenuation, fiber end, ghosts and ORL measurement
Multiple-OTDR trace analysis	Limits manual operation with template generating of multiple-trace comparison
Advanced OTDR marker management	Addresses high level of information to each market/events
Detailed PMD and CD analysis	Sets calculation parameters, pre-define thresholds according to bit rate.
Powerful OSA post-processing functions	Sorts results for spectrum comparison, OSNR parameters adjustment etc. …
Pass/fail function (user-definable alarm thresholds)	Carries out quick checks for immediate problem identification
Can export results into ASCII file format	Compatibility with spreadsheet softwares such as Microsoft Excel™

OFS-200 Optical FiberCable

Includes all the advantages of OFS-100 FiberTrace software	Maintains users ability to analyze any type of optical traces
Automatic bi-directional OTDR trace	Enables a quick association of the traces from both direction
Bi-directional status management (missing events, distance too large...)	Provides quick and flexible problem identification of each pair of traces
Individual or combined OTDR, PMD, IL and ORL report generation	Flexible solution to cover entire measurement results
Step by step report generation	Checks each individual traces while generating the report
Report Preview	Detailed preview of the complete report with alarm information
Out of range alarm on all measurements	Sorts out range values to directly access unacceptable measurements

Specifications

Compatibility with all files generated by the MTS-5000 and MTS-8000 platforms, OFI-2000 and ONT platform OSA data. FiberCable includes all FiberTrace functions.

PC requirements

An IBM Pentium 133MHz PC or 100% compatible computer (PentiumII 233 MHz or above recommended)
A hard drive and a CD-ROM drive
16 MB or more of memory (64 MB recommended)
A mouse pointing device
Microsoft Windows™ version 95, 98, 2000, NT, or XP
Microsoft Excel™
Memory requirements for Microsoft Excel™

Report macro : 48 MB or more of memory (128 MB recommended)
A 800 × 600 pixels monitor (1152 × 864 or above recommended)

Ordering information

OFS100	OFS-100
OFS200	OFS-200

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