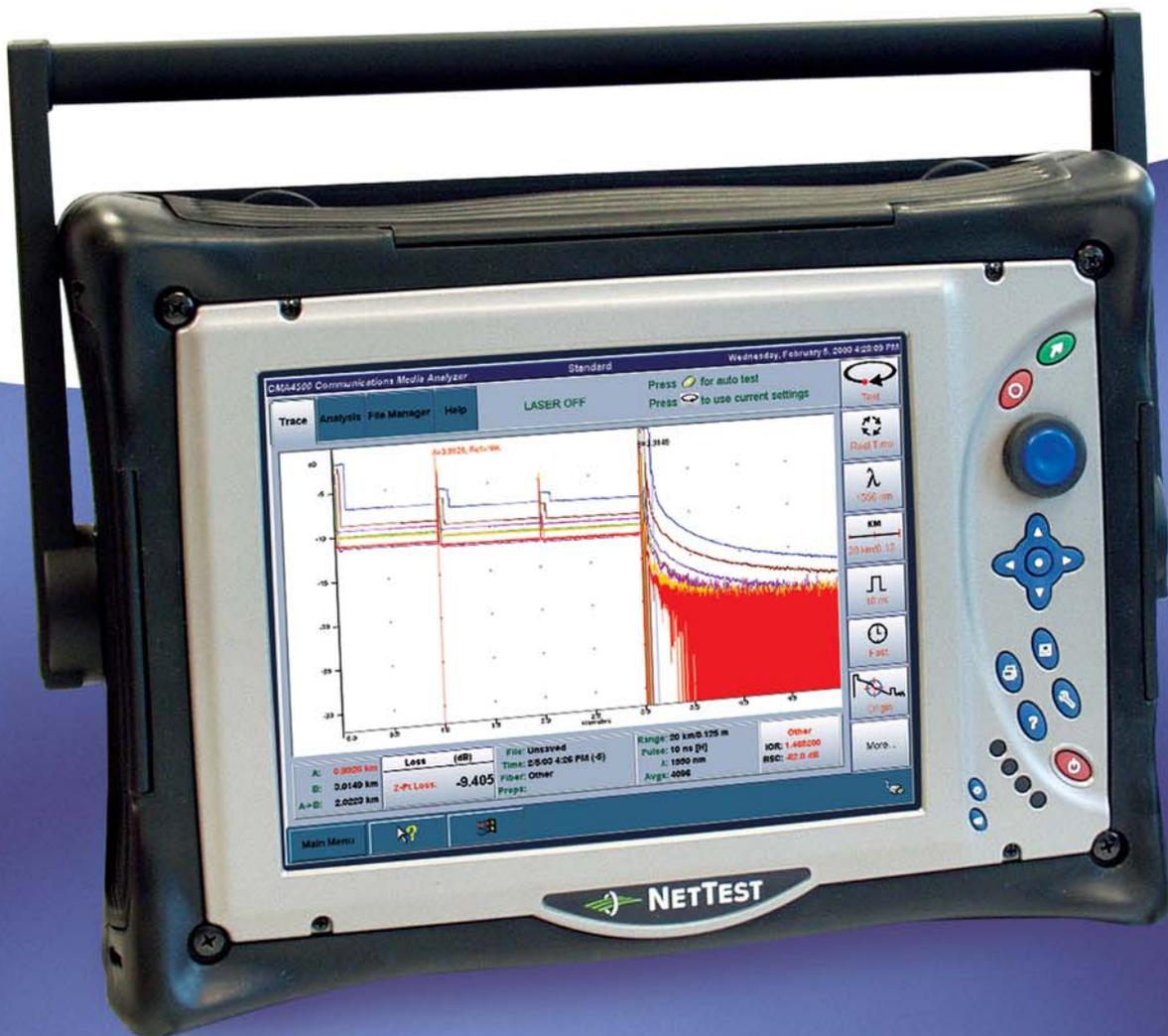


# CMA 4500 Series

## Optical Time Domain Reflectometer



# CMA 4500 Series

## Optical Time Domain Reflectometer

### Features

- 1 Optional internal floppy or CD-R/W drive
- 2 Li-ion battery for extended battery life
- 3 AC charger/adapter with charge level indicator
- 4 Universal connector with full range of adapters
- 5 Loss test set options for complete all-in-one testing
- 6 Standard 20 GB hard drive
- 7 10/100MB Ethernet/Fast Ethernet port for network connectivity
- 8 USB ports for easy "plug and play"
- 9 PS/2 ports for external keyboard and mouse

What if you took the market share leading OTDR and merged it with the industry's most advanced testing platform? The result is the new CMA 4500.

Building on the success of its award winning CMA 4000 OTDR and CMA 5000 advanced testing platform, NetTest proudly introduces the next generation in OTDR testing - the CMA 4500.

### You can have it all with the CMA 4500

A powerful Windows® based unit, large high resolution color display that's easy to read indoors or out, touch screen and hard key user interfaces and several optics options to cover any testing requirements from single mode to multimode, from 10 meters to 250 Km. Additional features include USB ports, a 10/100 Ethernet interface and dedicated testing modes for unparalleled ease of use and flexibility.

Whether you're a first time user or industry veteran, the CMA 4500 will take fiber installation, maintenance and documentation of your optical network to a new level.

### Key Benefits

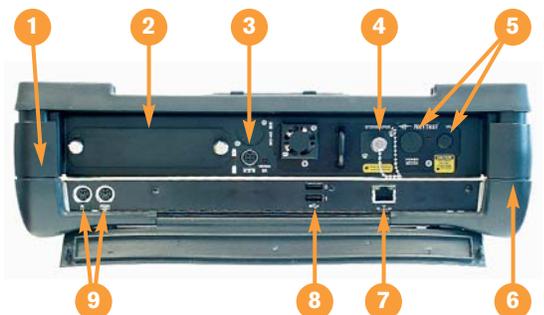
- Dedicated testing modes provide unparalleled ease-of-use
- Increase network revenue through accurate fiber characterization

- Solutions for Metro, CWDM, ultra-long haul and PON based, fiber-to-the-premise (FTTP) deployments
- Sophisticated analysis software provides consistent and accurate fiber characterization

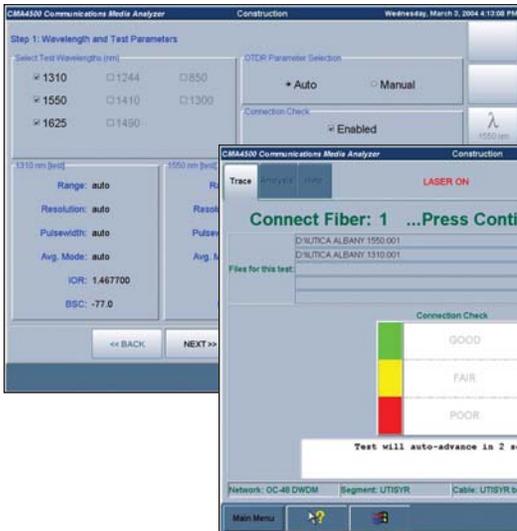
### Added value through performance

As added value, the CMA 4500 can be equipped with a stabilized light source and power meter for complete end-to-end loss testing. In addition, a Visual Fault Locator (VFL) option enables users to visually locate breaks within central offices and quickly identify specific fibers within a cable or splice tray. Round this out with the optional connector inspection microscope to reduce costly and timely troubleshooting of connector related issues and your CMA 4500 quickly becomes the one tool you rely on to get your customers up and running.

### High Performance Hardware



# Dedicated, User Friendly Software Construct OTDR



Designed for fiber installation and commissioning, Construction mode eliminates the time consuming, repetitive tasks of parameter selection, analyzing and file saving. A wizard guides the user through a couple quick set-up steps, then manages the entire testing operation requiring the user to do little more than connect the next fiber - it even tells you which one to connect. Testing parameters, wavelengths, file storage information and analysis options are configured once to allow the user to concentrate on testing, not button pressing.

## Benefits

### Construct OTDR

- Test, analyze and save multiple wavelength traces with the press of a single button
- Eliminate common user errors such as incorrectly named or missing traces - construction mode automatically does both
- Automates frequently performed tasks
- Simplify testing of high count fiber cables

## Fault Locate

Taking ease of use to a new level, Fault Locate mode makes anyone a fiber professional. Simply connect a fiber and press Fault Locate - the instrument does the rest providing fault details, span loss, and the prior event within seconds. Trace results can then be viewed, printed or saved as required.

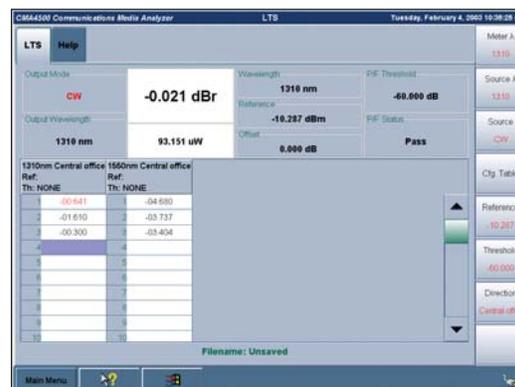


### Fault Locate Mode

- Quickly identify faults
- Built-in connection check verifies proper fiber connection
- True one button testing
- Ideal for reel testing or continuity verification
- Complete fiber characterization in seconds

## Loss Test Set

Loss Test Set mode offers an optional stabilized light source and power meter for the most accurate span loss measurements. It provides an easy to use GUI with useful features like PASS/FAIL rating based on user defined thresholds and a fully configurable data table that supports multiple wavelengths and bi-directional averaging. A Visual Fault Locator can also be added to aid in troubleshooting premise issues.



### Loss Test Set

- Data table neatly arranges readings from multiple fibers, wavelengths and directions
- All-in-one test set reduces inventory

# Standard OTDR

For experienced users who want more control while performing traditional OTDR functions, Standard OTDR features the ability to manually set all, some or none of the testing parameters providing unsurpassed parameter optimization. Key parameters such as wavelength, pulse width, range/resolution and averaging mode can easily be set via the CMA 4500's touch screen or dedicated hard key interfaces. Data storage can also be configured just the way you like it with virtually no limits on file names, or storage space with the standard 20GB hard drive and your choice of file formats - native NetTest or either revision of the Telcordia universal file format (GR-196 or SR-4731). Additional features such as the ability to overlay up to eight traces simultaneously, four

display options and user selectable loss modes ensure that you have all the tools you need to succeed in testing your network.



## Benefits

### Standard OTDR

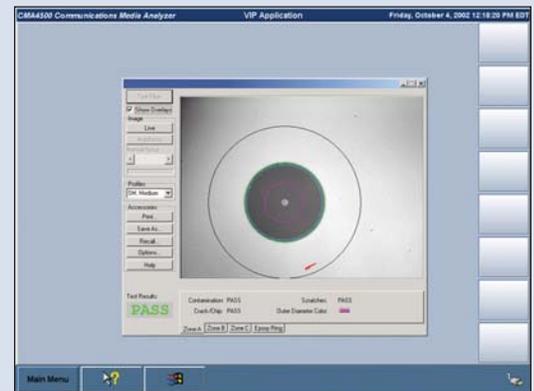
- Unsurpassed flexibility for testing parameter optimization
- Overlay up to eight traces for easy on-screen comparisons
- Dedicated touch screen and hard key user interfaces ensure smooth operation

### Video Inspection Probe

- Reduce testing time by viewing back panel connector end faces without removing them from the bulkhead
- PASS/FAIL ratings with advanced kit evaluate connectors based on pre-determined criteria reducing analysis time and user subjectivity.
- Interchangeable adapters for nearly all popular connector styles including angled

# Video Inspection Probe

Research reveals that up to 75% of all optical network failures are attributed to poor connector quality. The optional Video Inspection Probe (VIP) application for the CMA 4500 gives operators a safe, easy way to analyze and document connector conditions. The Video Inspection Probe uses a 1/3" CCD to convert connector images to a digital signal that is displayed on the screen. Connector images can then be viewed or saved as a variety of common graphics files for later review or documentation of connector quality. The Video Inspection Probe has various adapters available to allow direct viewing of patch cord end faces, as well as for viewing of end faces already installed on the back side of patch panels. Furthermore, since there is no path to the



human eye, the VIP application eliminates the possibility of injury as with traditional connector microscopes.



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NetTest, the pioneer in multi-layer network testing, is a global provider of test and measurement systems, instruments and components for all types of networks and all stages of network development and operation. Our solutions offer leaders in optical, wireless and fixed networking vital insights into network performance, enabling informed business decisions that drive profitability.