

# CWDM Channel Analyzer

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## Features:

- Pass/Fail Thresholds and Drift Statistics
- Available in 8 or 18 Channels
- Fast Real Time with <1/2 second Update
- Video Inspection Scope (Probe Sold Separately)
- Bar Graph and Table Displays
- Auto Test Zooms in on Active Channels
- Rugged Case w/Impact Resistant Boot
- Solid State Optics-No Moving Parts
- Easy Operation with Help Mode
- 4" Color Display
- 8hr Battery Life
- Impact Resistant Boot
- Stores 1000 test
- USB/PC and USB Flash ports

We also offer the FTE8000-C or - L DWDM Handheld Optical Spectrum Analyzer

The FTE-8000-CWDM is a simple to operate and affordable full featured CWDM Channel Analyzer. It is designed to be rugged and is well suited for use in the field. The FTE-8000 is available in 8 or 18 channels and offers a power tilt feature. With its one button Auto Test feature, and a full set of selectable scale limits and thresholds, the FTE-8000-CWDM makes zeroing in on channel measurements easy. For flexibility the channel numbers are selected in wavelength or frequency and the information is displayed in graph or table mode on the 4 inch, high brightness color LCD. This unit allows users to set Pass/Fail thresholds and can store up to 1000 tests that can be downloaded via the USB PC or USB flash ports and documented with the included certification software for fast, easy reporting. Use the onboard Video Inspection Scope to ensure connector cleanliness prior to testing. The onboard Help system guides new users through operation and assists in parameter settings. The FTE-8000CWDM is housed in a rugged metal enclosure with a robust protective boot. To make transportation easy and save, a soft case with shoulder strap is available.

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## FTE-8000-CWDM Specifications:

Wavelength Range	18 Channel 1271-1611nm 8 Channel 1471-1611nm
Channel Spacing	20nm
Channel Pass Band	±6.5nm
Channel Power Range	+5dBm to -50dBm
Absolute Accuracy	±1 dB
Max Composite Power	+23dBm
PDL	±0.2dB
Adjacent Channel Isolation	30dB
Measurement Time	< 1/2 Second
Readout Resolution	0.01dB
Return Loss	>40dB
Optical Interface	Universal UPC (FC/SC)
Graphical Display	Bar Graph and Table View
Display	4 in Color TFT
Dimensions	7.75 x 4.5 x 2.25 inches
Weight	2 lbs
Battery	Rechargeable NiMH - 8 hours operating time
Power	100-240 universal US, GB, EU, AU Mains
Environmental	Operation -10°C to 50°C
Accessories Included	Universal power supply with mains for US, UK, CE and AU. Interchangeable FC and SC adapters, Certsoft Reporting Software Suite, USB cable, manual on CD and rubber boot

TTI reserves the right to change specifications without notice.

## Ordering Information

FTE-8000CWDM	CWDM Channel Analyzer
FTE-8000CWDM-8	8 Channel CWDM Analyzer
FTE-SCASE-LG	Soft Case for FTE-6000, 7500, FTE7800 and 8000 Series

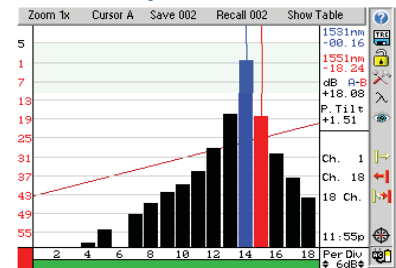
## Table View

Return	Min=-3.10dBm	Max=+5.00dBm
01 -02.71	07 -02.14	13 -01.89
02 -01.58	08 -02.43	14 -02.59
03 -01.63	09 -03.13	15 -01.47
04 -02.05	10 -01.90	16 -01.76
05 -02.38	11 -03.18	17 -02.49
06 -01.95	12 -01.82	18 -02.02

Max: -1.90 Min: -9.85 Avg: -2.00

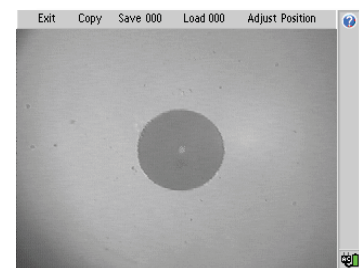
In the table view, the FTE-8000 displays failed channels in red and when a channel is highlighted, statistical information is displayed including the minimum, maximum and average power levels.

## Graphical View



The FTE-8000-CWDM graph display can be configured to optimize the test view. The user can zoom in on specific channels, mark the display area in which channels meet power criteria, limit the number of overall channels viewed and as shown here display power tilt indicator.

## Video Scope



The FTE-8000-CWDM will accommodate the TTI CI1100 Video Probe allowing the user to visually check connectors for cleanliness and damage prior to testing. This helps eliminate costly repairs to the fiber optic connects on the FTE-8000 and results in more accurate tests.



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