

# Chromatic Dispersion Analyzer



The Chromatic Dispersion Analyzer, a high-performance test module contained inside the FTB-400 field-testing platform, is essential for deployments and upgrades of high-speed DWDM networks. As telecommunications carriers turn up data rates to 10 and 40 Gb/s on their high-speed optical networks and as spacing becomes tighter in DWDM systems, physical limitations like chromatic dispersion become increasingly problematic. Chromatic dispersion is a physical phenomenon inherent to optical fiber and optical components that causes information bits to spread along a network. This degrades the quality of the transmission signal and, in turn, limits the transmission speed carried by optical networks. Historically, Chromatic Dispersion Analyzers have required communication through a The FTB-5800 Chromatic Dispersion Analyzer enables field technicians to test not only sections of a link but the entire link at once because it can sweep through amplifiers such as EDFAs. In addition, EXFO's Chromatic Dispersion Analyzer uses full-wavelength characterization, not merely interpolation from a few acquired points. Combined with the highly intuitive graphical user interface and all-in-one configuration of the FTB-400 platform, the FTB-5800 Chromatic Dispersion Analyzer module represents a best-of-class solution for high-end field testing.

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<http://www.wirelessdesignmag.com/product-releases/2002/03/chromatic-dispersion-analyzer?qt-blogs=0>