



Modules for Tektronix' Communications Signal Analyzer First to Support Full Range Of 10 Gigabit Ethernet Measurements

The new 80C08C, 80C11 and 80C07B Optical Sampling Modules for Tektronix' CSA8000 Series Communications Signal Analyzers are the first instruments flexible enough to meet the full range of 10GbE measurement needs—all LAN and WAN standards (including emerging 10GbE FEC), all fiber types, masks, wavelengths, and clock rates. The 80C08 and 80C11 are the first and only tools to support emerging 10 GbE FEC measurements and the first to offer user definable continuous rate clock recovery from 9.8 Gb/s to 12.6 Gb/s, in addition to standard datacom and telecom rates.

The 80C08C optical module delivers unsurpassed measurement performance in the areas of signal-to-noise, optical sensitivity, and test throughput. It is well matched to the manufacturing test needs of emerging 10GbE components and network elements. With its amplified optical-to-electrical (O/E) converter, the 80C08C allows users to examine low-power optical signals from the directly-modulated lasers used in 10GbE LAN technologies. The module's exceptional accuracy supports narrow measurement margins in production testing, maximizing yield. The 80C08C is a broad-wavelength (700 to 1650 nm), multi-rate (9.953 Gb/s to 11.0957 Gb/s), single- and multi-mode tool that is suitable for 10 Gb/s datacomm applications as well as telecom.

The 80C11 is a long-wavelength (1100 to 1650 nm) product with an optical bandwidth up to 30 GHz. It is well suited for 10 Gb/s G.709 telecom optical component testing and characterization, particularly those designs based on externally-modulated lasers.

The 80C07B multi-rate optical sampling module for the Tektronix 8000 Series Communications Signal Analyzer family encompasses the entire range of tributary rates, from 155 Mb/s to 2.666 Gb/s, for today's telecom and datacomm standards.