

Sampling Oscilloscope Probes Second Generation PCI Express, Serial ATA, XAUI and 10 Gigabit Ethernet



LeCroy Corporation introduces WaveExpert 100H, said to be the first sampling oscilloscope capable of acquiring, measuring and processing signals that cannot be physically probed. It addresses the analysis and compliance requirements of the long serial data patterns required by standards such as second generation PCI Express, serial ATA, XAUI and 10 Gigabit Ethernet. The modular architecture supports up to four optical or electrical channels with bandwidths up to 100 GHz, as well as clock recovery and serial pattern generation up to 13.5 Gb/s. An option is the Eye Doctor, an analysis feature which merges the signal and channel responses to accurately measure receiver tolerance and to further view equalized signals as they appear inside the receiver. It comes standard with TDR analysis software, including reference plane calibration and full differential 2-port S-parameter measurements. These features allow characterization of cables, connectors, backplanes and other devices. The measured S-parameters can be combined with the Eye Doctor analysis to perform stressed eye pattern analysis and measurements on equalized receivers.

LeCroy Corporation
800-553-2769, www.lecroy.com [1]

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