

LECROY (TELEDYNE LECROY)

SDA 11000

The Teledyne LeCroy SDA 11000 is a high-performance Serial Data Analyzer and digital storage oscilloscope engineered for the analysis of high-speed serial data links up to 6.25 Gb/s. Built upon an advanced acquisition architecture, it provides an analog bandwidth of 11 GHz and a maximum sample rate of 40 GS/s when operating in its full-bandwidth 2-channel configuration. The analyzer features LeCroy's comprehensive serial data analysis suite, including Q-Scale jitter analysis and precise eye diagram testing, making it an essential tool for verifying signal integrity and debugging complex timing issues in multi-gigabit digital designs.

SPECIFICATIONS

General

Display	10.4-inch Color TFT-LCD, 800 x 600 (SVGA)
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Physical

Power Supply	90-132 VAC / 180-250 VAC @ 45-66 Hz; 90-132 VAC @ 380-420 Hz (800 W max consumption)
Operating Temperature	5 to 40 °C

Vertical System

Analog Bandwidth (-3 dB)	11 GHz (2 channels)
Input Channels	4 (2 active at full 11 GHz bandwidth)
Vertical Resolution	8 bits (up to 11 bits with Enhanced Resolution / ERES)
Input Impedance	50 Ω $\pm$ 2%

Acquisition System

Maximum Sample Rate (Interleaved)	40 GS/s (2 channels)
Maximum Sample Rate (Standard)	20 GS/s (4 channels)
Acquisition Modes	Real-time, Random Interleaved Sampling (RIS), Roll

Serial Data Analysis & Software

Eye Diagram Analysis	Standard capability
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Probing and Inputs

Probe Interface Type	ProLink (50 Ω)
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Computer System & Control

Operating System	Microsoft Windows XP Professional
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TECHNOLOGY

Digital Storage Oscilloscope / Serial Data Analyzer

APPLICATIONS

Serial Data Analysis, Jitter Measurement, Signal Integrity, High-Speed Digital Design Verification

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.