

LECROY (TELEDYNE LECROY)

SDA 6000A

The LeCroy SDA 6000A is a high-performance Serial Data Analyzer offering a 6 GHz analog bandwidth and 20 GS/s sampling rate on all 4 channels. Built on LeCroy's X-Stream architecture, it is designed for advanced physical layer testing, debugging, and compliance. The analyzer integrates powerful standard toolsets including a 1 ps jitter noise floor, precision numerical clock recovery, bit error analysis, and eye pattern measurements with a violation locator.

SPECIFICATIONS

General

Display	10.4 in Color TFT-LCD Touch Screen
Processor Architecture	Intel Pentium 4

Physical

Operating Temperature	5 °C to +40 °C °C
Dimensions (W×H×D)	397 × 264 × 491 mm mm
Weight	18 kg (39 lbs.) kg

Vertical System

Analog Bandwidth	6 GHz
Number of Analog Channels	4
Vertical Resolution	8 bits
Input Coupling	DC 50 Ω, GND
Vertical Sensitivity Range	2 mV/div to 1 V/div
Probing Interface	ProLink

Acquisition System

Maximum Single-Shot Sample Rate (All Channels)	20 GS/s
Equivalent Time Sample Rate	200 GS/s
Maximum Record Length (Option)	Up to 50 Mpts/ch (100 Mpts maximum on 2 channels)
Interpolation	Sin(x)/x, Linear

Triggering System

Trigger Modes	Normal, Auto, Single, Stop
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Display System

Display Size	10.4 in
Display Type	Color flat-panel TFT-LCD with touch screen

Connectivity & Interfaces

Ethernet / LAN Port	10/100Base-T (RJ-45)
USB Host Ports	USB 2.0 standard
External Video Output	Standard 15-pin D-sub VGA
GPIO Interface	IEEE 488.2

Computer System

Operating System	Microsoft Windows
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Inputs & Outputs

Input Connectors	ProLink (proprietary LeCroy interface)
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Analysis & Math

Number of Math Traces	4 (Traces F1 to F4)
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Power

Maximum Power Consumption	800 W / 800 VA
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Environmental

Storage Temperature	-20 °C to +60 °C
Operating Altitude	Up to 3,048 m (10,000 ft) at up to 25 °C

Timebase

External Reference Input	10 MHz
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Data Storage

Internal Storage	Hard Disk Drive
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Compliance

Safety Compliance	EN 61010-1, UL 61010-1
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TECHNOLOGY

High-Performance Digital Oscilloscope / Serial Data Analyzer

APPLICATIONS

Serial Data Analysis, Jitter Measurement, PHY Compliance Testing, Bit Error Analysis

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