

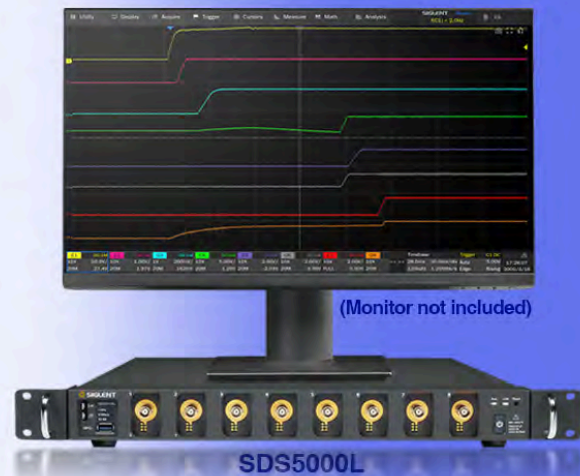


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Meet the New Siglent SDS5000X HD & SDS5000L Oscilloscopes



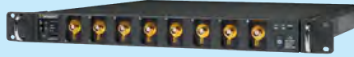
CEO's Corner

The 12-bit [Siglent SDS5000X HD](#) and [SDS5000L Series](#) oscilloscopes are designed to meet the needs of engineers who require high-resolution signal acquisition, flexible channel counts, and advanced analysis tools for today's complex electronic designs. These powerful digital storage oscilloscopes are available in **4, 6, and 8-channel configurations** with bandwidths of **350 MHz, 500 MHz, and 1 GHz**, giving users a broad range of choices for lab, design, validation, and automated test environments. Each model in the series features a **12-bit ADC**,

users who need the same core acquisition performance in a space-saving format for rack integration and automated systems.

An **innovative digital trigger system** offers **high sensitivity and low jitter**, while supporting a broad set of trigger modes, including **serial bus triggering**. Powerful tools such as **History waveform recording**, **Search and Navigate**, **Mask Test**, **Bode Plot**, and **Power Analysis** help users capture, store, and analyze long waveform records with speed and confidence. A robust set of **measurement, math, and serial decoding capabilities** further expands the usefulness of the SDS5000 platform across embedded, power, communications, and mixed-signal applications.

For users who prefer a traditional bench instrument with an advanced interface, the **SDS5000X HD** offers a large **12.1-inch capacitive touchscreen** with **multi-touch gesture support** and a user-friendly interface intended to improve day-to-day productivity. For mixed-signal work, **16 optional digital channels** are also available, providing added flexibility for digital debugging and correlation of analog and digital events.



The **SDS5000L**, by contrast, is designed for users who need a **low-profile rackmount oscilloscope** for scalable systems and automated environments. Although it does not include an integrated display or digital channels, it can operate as a **stand-alone oscilloscope** when connected to an external display and mouse. When paired with a **64-channel synchronization distributor (SYN64)**, multiple SDS5000L modules can be combined into a **high-speed data acquisition system with up to 512 channels**, making it especially attractive for applications that demand synchronized, multi-channel capture across large systems.

Software and connectivity options further strengthen the appeal of both series. Available options include **Power Analysis** and **Serial Trigger Decoders**, while **remote web control over LAN** enables convenient access and control across a network. A complete **SCPI command set** over the standard **1000M LAN connection** supports fast data acquisition and integration into automated test setups, helping engineers streamline workflows and speed up test execution.

Whether used on the bench for advanced debugging or integrated into high-channel-count automated systems, the **Siglent SDS5000X HD and SDS5000L Series** offer a compelling and affordable combination of resolution, speed, channel flexibility, and analysis power. For engineers looking to improve visibility into increasingly complex signals and systems, these oscilloscopes provide the tools needed to capture more detail, diagnose issues faster, and work more efficiently. The **Siglent SDS5000X HD and SDS5000L oscilloscopes are available now from Siglent's technical distributor, Saelig Company, Inc.**

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