

Serial bus triggering and decoding

Siglent offers the SDS2000X series Super Phosphor Oscilloscopes. The trigger system supports multiple triggering modes including serial bus triggering of protocols such as CAN.

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The oscilloscopes have an operating temperature of -10 °C to +40 °C (Photo: Siglent)

[Zoom](#)

The oscilloscopes are available in bandwidths of 70 MHz, 100 MHz, 200 MHz, and 300 MHz, with a maximum sample rate of 2 GSa/s (gigasamples per second) and a maximum record length of 140 Mpts (megapoints). Functions can be accessed with its one-button design. The SDS2000X series employs a generation of [SPO technology](#). It has a digital trigger system with sensitivity and jitter and a maximum waveform capture rate of 140 000 wfm/s (waveform measurements per second) in normal mode, or up to 500 000 wfm/s in sequence mode. It also employs not only the common 256-level intensity grading display function but also a color temperature display mode.

The trigger system supports multiple triggering modes including serial bus triggering. The serial bus triggering and decoding supports protocols such as CAN, SPI, IIC, EIA-232, UART, and LIN. History waveform recording and sequence acquisition allow for extended waveform records to be captured, stored, and analyzed. Other features are a built-in 25 MHz arbitrary waveform generator, 16 digital channels (MSO), as well as serial decoding. The oscilloscopes come with an 8-inch TFT-LCD display with 800 pixels x 480 pixels resolution and support multi-language.

[CW](#)