

AMT měřicí technika, spol. s r.o.

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## *SIGLENT Technologies Announces the Release of SDS2000X Plus Series Super Phosphor Oscilloscope*

*Siglent Technologies proudly presents the 3<sup>rd</sup> Generation of their 2000 series of oscilloscopes. Five years after the introduction of the very successful SDS2000X, Siglent has continued to implement customer feedback and now presents the new SDS2000X Plus series. Designed to impress, the X Plus has a feature-rich standard configuration and options that make it a powerful and flexible tool for all general purpose tasks in the lab.*

January, 16<sup>th</sup> 2020: Siglent has released a new 2000 class digital oscilloscope. The new SDS2000X Plus series includes 4 models: One two channel model with 100 MHz bandwidth (software upgradeable to 350 MHz) and three four-channel models, with bandwidths of 100, 200 and 350 MHz. In addition, the 350 MHz Models can be upgraded to 500 MHz (Max Bandwidth available on to two independent channels).

The SDS2000X Plus inherited the superb user interface with the higher performance series SDS5000X. This includes a 10-inch touch screen, external mouse and keyboard control and the built-in webserver makes this series easy to use and reduce the learning curve to a minimum.

Furthermore, the oscilloscope offers a 10-bit acquisition mode that uses oversampling to achieve higher resolution. Combined with the lowest vertical setting of 500 $\mu$ V/div, the X Plus can root out the smallest signal details.

The 4 channel models come with two 2 GS/s ADCs and 2x 200 Mpts memory modules. This enhanced memory depth ensures a high sample rate at larger time/div settings. This is very useful when analyzing high frequency content on slow changing signals by providing the detail you need, regardless of timebase settings.

The sequence mode boosts the waveform capture rate up to 500 000 wfm/s. This helps to maximize waveform capture rate and avoid missing critical events. This reduces oscilloscope “dead time” by a factor of > 4 times lets the engineer find rare signal anomalies faster. The special mode also enables an optimized use of the memory.

The built-In 50 MHz function generator option together with the free Bode plot function delivers convenient and low cost frequency analysis without investing in any other instrumentation. If you are developing Switch mode power supplies (SMPS), Bode plots are a convenient way to measure Phase and Gain margin of feedback loop systems and help to determine the stability of the design.

The X Plus series also features a Power Analysis Option that delivers automatic on-screen performance analysis of common power supply characteristics. Together with Siglent current and differential voltage probes, this option is a must-have for perfecting your designs.



Standard functions also included: Serial bus trigger and decoding for I2C, UART, SPI, LIN, CAN. Options include I2S, CAN-FD, FlexRay and MIL-1553B decoding as well as maximum bandwidths to help the SDS2000X Plus grow with your test needs.

About:

SIGLENT TECHNOLOGIES started in 2002 with the development of their first oscilloscope. Now, the portfolio has rapidly expanded to cover many areas of general purpose test instrumentation, including oscilloscopes, signal and function generators, digital multimeters, lab power supplies, spectrum analyzers and RF-signal generators.

Today SIGLENT TECHNOLOGIES is a global leader producing electronic test and measurement equipment that combines innovative features and functionality with a strong commitment to quality and performance. SIGLENT is ISO 9001:2000 and ISO 14001:2004 certified for its product quality and environmental management programs.