

Revision History

Date	Version	Revision
2024/02/22	1.1.20R6	<ol style="list-style-type: none"> Fixed the bug: The average of measurement is mistake for 35M points Optimized the time of auto-setup
2020/06/28	1.1.19R5	<ol style="list-style-type: none"> Added support for the SAG1021I USB Isolated AWG Module Hardware Fixed the bug: Sometimes PNSU command returns invalid value (Need referring to the latest Program Guide) Added 9 data bits for UART decoding Fixed the bug of UART decoder with some special settings Increased baud rate of UART trigger from 5 Mbps to 20 Mbps Fixed the bug: The command 'WF? DAT2' returns error length of waveform when digital is enable Fixed the bug: CSV file of waveform has no indication of the trigger point in the data Fixed the bug: After repowering all FFT markers are on just one peak Fixed the bug: After repowering, signal level of CAN trigger can't be recalled Fixed a few SCPI Commands errors: MATH: CURSOR_VALUE? C3:INVERT_SET? is missing HISTORY_LIST? is missing DIGITAL:LOW8_SWICHT, typo in name C5:COUPLING? typo in name Fixed the Bode Plot bug: Sometime there isn't enough delay after the scope switches timebase values before it tries to take a measurement Fixed the bug: Matlab can't import 14 M Matlab waveform files Fixed the bug: 'WF?' command ignores the length set by 'WFSU' for digital
2019/08/21	1.1.19R2	<ol style="list-style-type: none"> Optimized communication between SDS2000X-E and SLA1016. This revision (and higher) requires the SLA1016 MUST be upgraded to 8.1.16 (or higher) first. Please take a look at 'Compatibility with SLA1016' at the end of the release notes. Optimized Bode Plot: Accuracy and Sensitivity Improvement, New Vari-level Mode for Testing Loop Response, Miscellaneous Function and UI Improvements. Optimized FFT UI: Added Peaks, Markers, and search within FFT. Optimize self-calibration for channels. Optimized accessing USB drive so that when a USB drive is moved to a computer, Windows will not prompt a restoration of the USB

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		drive.
		6. Optimize WIFI connection: 63 characters can now be used for a WPA2 PSK key.
		7. Added parity options of MARK/SPACE for UART of 9-bit Decode.
		8. Optimized behavior of the cursors (x-axis): Added a mode that the cursors remain at the set position on the waveform when changing time base.
		9. Added automatic reset to 0 for sample count for statistics after any timebase or voltage range changes.
		10. Fixed the bug: The audible beeper activation would affect the voltage waveform displayed for CH2.
		11. Fixed the bug of ROV measurement.
		12. Fixed the bug: Normal trigger can show more-than-one trigger event on the display at one time.
		13. Fixed the bug: Erratic triggering, randomly jumping between the first and the second edge of a signal.
		14. Fixe the bug: The acquire time of history is reset to zero if the time reach 1 hour and 11 minutes. The delta time is also wrong if the period is longer than 1 hour and 11 minutes.
		15. Fixed The SPI triggering issue: the 16-bit trigger wouldn't work for a gap >360 ns between the two 8-bit packets.
		16. Fixed the bug: Save/Recall setup of trigger and scale issue. (SalesForce ID: P-00199) (SalesForce ID: P-00200)
		17. Fixed the bug: Reading cursors by SCPI is not accuracy. (SalesForce ID: P-00201)
		18. Fixed the bug: In fine adjust mode, some scale such as 302 mV/DIV is in the wrong position.
		19. Fixed the bug: LIN decoder doesn't decode frames with zero-length response.
		20. Fixed the bug: If the Courser Offset is not a multiple of zoom time base, the cursor will be replaced when zoomed.
		21. Fixed the bug: The measurements made with the cursor in Ref. Give wrong values for all the different probes of X1.
		22. Fixed the bug: Measures fairs with GATE give completely random values in signals of low frequency.
2018/12/24	1.1.17R6	14. Fixed the bug: If the oscilloscope is switched off when the CH1 menu is active, it remains without a menu when switching on again.
2018/12/12	1.1.17R5	1. Initial formal release of SDS2000X-E

Compatibility between Versions

Source Version	Object Version	Compatibility
1.1.20R3	1.1.20R6	Yes
1.1.20	1.1.20R6	Yes
1.1.19R5	1.1.20R6	Yes
1.1.19R2	1.1.20R6	Yes
1.1.17R6	1.1.20R6	Yes
1.1.17R5	1.1.20R6	Yes

Compatibility with SLA1016

Source Version	Object Version	Compatibility
8.1.16	1.1.20R6	Yes
8.1.16	1.1.20R3	Yes
8.1.16	1.1.20	Yes
8.1.16	1.1.19R5	Yes
8.1.11	1.1.19R5	No
8.1.9	1.1.19R5	No
8.1.8	1.1.19R5	No

Update instructions

- ◆ **Very important!**
Optimized communication between SDS2000X-E and SLA1016. If the SDS2000X-E will be upgraded to 1.1.19R2 (or higher), the SLA1016 **MUST** be upgraded to 8.1.16 (or higher) first.
- ◆ **Important!**
Because 1.1.19R2 optimized self-calibration for each channel. Please perform a self-calibration if the machine is updated to 1.1.19R2 (or higher).