Revision History

Date	Version	Revision
2023/4/25	1.3.27	1. Fixed the bug: SCPI sets trigger level error when probe is 10X
		2. Fixed the bug: SCPI(C4-C1:MEAD? FRR) is error
		3. Optimized accessing USB drive so that when a USB drive is moved to a computer, Windows will not prompt a restoration of the USB drive.
		4. Fixed the bug: CSV file does not consider probe
		5. Fixed the bug of UART decoder with some special settings
		6. Fixed the bug: PNSU SCPI is error by socket to transfer binary file
2019/6/17	1.3.26	1. Channel waveform can be hidden
		2. Added a pop message: If there are too many serial frames in one sample, the Scope does not decode all of the serial frames and pop up message of 'Decoding to maximum frame number limitation!'
		3. Fixed the bug: Save/Recall setup of trigger and scale issue
		4. Fixed the bug: In fine adjust mode, some scale such as 302 mV/DIV is in the wrong position
		5. Fixed the bug: LIN decoder doesn't decode frames with zero-length response
		6. Fixed the bug: If the Courser Offset is not a multiple of zoom time base, the curser will be replaced when zoomed
		7. Fixed the bug: The measurements made with the cursor in Ref. Give wrong values for all the different probes of X1
		8. Fixed the bug: Measures fairs with GATE give completely random values in signals of low frequency
		9. Fixed the bug: Normal trigger can show more-than-one trigger event on the display at one time
		10. Fixed the bug: Erratic triggering, randomly jumping between the first and the second edge of a signal
2018/9/20	1.3.23	1. Changed the displayed system information screen. From ADS version of 1.3.23, the info screen now shows 5 sections of software versions, including the OS version ID.
		2. Added SCPI commands for Math waveforms (except FFT).
		3. Optimized accuracy of horizontal measurement, especially when there are only a few samples in very small timebase.
		4. Added ability to disable one direction of the full duplex encoders.
		5. Any arbitrary probe factor from 1e-6 to 1e6 can be set by universal knob.
		6. Attenuation and invert indicator were added into the channel

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		tab.
		7. There are some times of quick calibration during warming up the SDS XE. Added a menu below Utility to disable the quick calibration so that the sampling can't be interrupted.
		8. Added SCPI to set up gated measurements on an SDS XE scope and return the data.
		9. Supported exiting the on-screen keyboard by OK button.
		10. Fixed the bug related to displaying long IC2 decoded packets.
		11. Fixed the channel inversion bug when changing timebase from 1ms to 2ms
		12. Fixed the bug: The setting of Educational mode can't be saved after power off.
		13. Fixed the bug: I2C address to 0x3F and the fist byte to 0x8C -trigger does not work
		14. Fixed the bug: The I2C trigger condition "7 bit Address&Data" does not work when the payload contains only a single byte.
		15. Fixed the bug: Looks like SDS1202X-E does not discard incomplete bytes in the payload although they are easily detectable.
		16. Optimized decoded data of I2C and got rid of suffix 'H' and 'A'.
		17. Fixed the bug: There is offset with Channel coupling of GND.
		18. Fixed the bug of failing to save Pass/Fail mask to U disk.
		19. Fixed the bug: Save data as CSV , but the data does not account for the vertical offset of the data.
		20. Fixed the bug: The binary block returned by the WAVEFORM command contains the length of the block in the "#9" header. This length is incorrect when the NP option of the WFSU command is used; the header then gives the memory depth instead of the actual size of the block.
		21. Fixed the bug of response from the WAVEFORM command prefixes the binary block with the string "ALL," even when "CHDR OFF" is used.
		22. Optimize self-calibration for channels.
2018/1/27	5.1.3.17R1	11. Fixed bug: Sometimes Auto setup fails on probe compensation output
2017/11/20	5.1.3.17	1. Fixed bug: Corrected under-compensation from probe compensation waveform on 100 mV/div ranges
		2. Fixed bug: FFT horizontal frequency div is incorrect. The wrong sequence is shown: 5 Hz, 2 Hz, 1 Hz, 2 Hz, 5 Hz, 100 mHz, 200 mHz
		3. Optimized translation for German and English menus and

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		pop-up messages
		4. Fixed bug: The scope does not save the'limit range'of slope trigger while powered off
		5. Fixed bug: The waveform disappears from the Zoom window at the edge of screen with the timebase set to500ns/div.
		6. Fixed bug: There is an issue with the Y cursor offset/scaling, probe with x10 setting. The Y1/Y2 cursor values do not match the Y voltage division/offset of the selected input channel
		7. Fixed bug: Track cursor source set to track the waveform in the zoom window, but it tracks main window
2017/7/06	5.1.3.13	1. Cursor values not correct if probe attenuation was not set to 1X
		2. Removed channel input impedance of 50Ω
		3. Added extern load setting to FFT menu. If using an external load, amplitudes can be shown in dBm
		4. Repaired intermittent lock up after enabling decoding function
		5. Optimized translation for German and English menus and pop messages
		6. Removed Option label from UI
		7. Corrected cursor measurements for active Zoom with FFT
		8. Added telnet(port 5024) and open socket(port 5025) for LAN communication
		9. Fixed blank zoom bug. With both channels at 2 ms/div, 7 Mpts, and a zoom of 500 ns/div, the zoom window would blank.
		10. Fixed decode threshold levels for 10X probe attenuation selection.
		11. Fixed average mode. After pressing [Run/Stop] to halt acquisition, the display changed to the last waveform, rather than maintaining the averaged waveform
		12. Remain the final message for firmware update until rebooted
		13. Fixed the issue with Chinese language setting after self-calibration.
		14. Fixed the CAN source bug. If the source selected was CANH or CANL, decode would not work correctly.
		15. Decreased waveform jitter with active measurements or math with horizontal delay out of the screen.
		16. Added progress information while saving CSV files.
		17. Fixed the Cycle RMS measurement does not update when the input signal changes
		18. Keep "Print"picture type in accordance with the type selected from "Save/Recall"
		19. Fixed user file renaming of a previously saved file.

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		20. Enabled decoding for time bases above 20ms/div.
		21. Disable menu if cursors, measurement and math is disabled
		22. Finished updates to support EasyScopeX and Labview driver.
		23. Optimized channel self-calibration
2017/3/22	5.1.3.8	Initial formal release

Compatibility between Versions

Source Version	Object Version	Compatibility
1.3.26	1.3.27	Yes
1.3.23	1.3.27	Yes
5.1.3.17R1	1.3.27	Yes
5.1.3.17	1.3.27	Yes
5.1.3.13	1.3.27	Yes
5.1.3.8	1.3.27	Yes

Update instructions

◆ **Very important!**

Version 1.3.26 optimizes self-calibration for the each channel. Perform a self-calibration once if the machine is updated from any version <1.3.26