Revision History

Date	Version	Revision

2016/6/27	1.2.1.38.7	1. Supported measurement in Roll mode at run state
		2. Added slew rate+ and slew rate- measurement parameters and updated the description of some parameters
		3. Disabled insignificant measurements on FFT
		4. Fixed some bugs
		  a) Incorrect timing in finite persistence mode
		  b) Values change on trigger delay, level, offset etc. when adjusting horizontal, offset and level position back and forward
		  c) Unmatched side lobe suppression with blackman or hamming windows in FFT mode
		  d) Skew between analog and digital channels out of spec
		  e) Freeze problem in some specified case
		  f) Measurement statistic does not update in some cases
		  g) Incorrect measurement on ROV、FOV、RPRE、FPRE
		  h) ...

2016/4/11	1.2.1.33.1	1. Improved the user experience on the universal knob
		2. Added virtual numeric keypad function in cases inputting large number is possible (push the universal knob to call it)
		3. Optimized the persistence display in pass/fail mode
		4. Added ASCII decoding
		5. Fixed some bugs
		  a) Pushing the trigger level knob in AC coupled trigger mode does not bring the level back to zero
		  b) Value jumps up and down when setting baud rate in trigger setting
		  c) Arrow in decoding list displays abnormally
		  d) Digital channel display problem
		  e) All frames are not mapped to the display in sequence mode with frames quantity > 1024
		  f) ...

2015/12/8	1.2.1.28.1	1. Minimum vertical scale: 2mV/div -> 1mV/div

Date	Version	Revision
		2. Fixed some bugs
		a) Pass/fail no output in some previous version
		b) Freezing problem when Quick Cal is on
		c) Sometimes waveform update rate drops when changing channel vertical setting
		d) Horizontal deviation between the cursor and the trace in zoom window when cursor is tracking mode
		e) Abnormal of peak detect in roll mode
		f) Screen capture error in roll mode
		g) Some typo when language is French
		h) ...
		3. Updated the abbreviation of some measurement parameters
		4. In sequence mode, added a visible counter on the display to indicate how many segments have been acquired
2015/11/20	1.2.1.27	The first 2.0 release

SDS2000 2.0 firmware (1.2.1.xx.x) is an important update of the 1.0 firmware (1.1.1.xx.x). Based on 1.0 firmware, the 2.0 release added/improved some important features, and fixed some bugs. Refer to the table below for detailed information:

Item	Description
SPO (Super Phosphor Oscilloscope technique)	SPO1.0 -> SPO2.0. The main improvements are: • Increased the maximum Waveform Update Rate from 110,000 wfm/s to 140,000 wfm/s (in normal acquisition mode) • Increased the maximum Waveform length from 28Mpts to 70Mpts • Optimized the effect of waveform display at big time base • Accelerated the Single/Stop/Sequence/History processing by hardware • Optimized Date Preview to improve customer experience when changing the horizontal and vertical settings • Eliminated the obvious displayed trigger jitter at some time base
Eres mode (Enhanced Resolution mode)	Added Eres Mode under "Acquisition" and remove high resolution mode
Measurement	• Optimized measurement algorithm on some vertical parameters • Added gating measurement • Added some parameters, such as stdev, delay
Cursors	Optimized the operating experience
Digital Channels	Optimized operating experience

Item	Description
Minimum V/div	2mV/div -> 1mV/div
Defects & Bugs	Fixed the defects/bugs which exist in firmware 1.0:

Fixed the defects/bugs which exist in firmware 1.0:

- Error code in CAN/IIC decoder
- The digital channels get lost or work in the wrong way once the stop button is pressed or in single acquisition mode with decoding enabled
- Somehow the timescale for the digital channels doesn't follow the timescale for the analog channels
- Peak detect unusable
- Press "Level" knob to set trigger level to 50%, then change the vertical div/v, trigger level changes
- Skew between CH2 and CH3 in Zoom, Stop and Measurement mode
- Cursors (X / vertical) not working in MSO mode without analog channels active
- In normal mode, the waveform disappears when zoom is on
- Zoom range deflects on the display
- Trigger delay varies when the source is external trigger
- Persistence is cleared when press RUN/STOP
- The Auto Measure Readings update too quickly
- Filename length Inconsistent between UI and manual
- Averaged signal is gone in 'stop mode'
- No measurements while decoding
- Zooming in on a stream of messages by changing the timebase doesn't work and the zoom function is disabled
- Protocol decoding doesn't work on digital channels
- No zoom for digital signals
- Peak-detect doesn't work in roll mode
- SCPI over LAN doesn't work
- Sometimes the colors of the 4 analog channels all turn yellow
- Cursors are unusable in Zoom window
- ...

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