

## Instrument Firmware Release Notes

### Models

DS2072, DS2102, DS2202, DS2072A, DS2102A, DS2202A, DS2302A, DS2072A-S, DS2102A-S, DS2202A-S, DS2302A-S, MSO2072A, MSO2102A, MSO2202A, MSO2302A, MSO2072A-S, MSO2102A-S, MSO2202A-S, MSO2302A-S

### Version Information

Released version: 00.03.04.02.01

Release Date: 12/14/2015

### Compatibility

Compatible with earlier versions of the hardware

### Change Log

Key:

E – Enhancements. Changes that add functionality

M – Modifications. Changes to improve performance on existing features

C – Cancellation. Removal of function or capability

\*Note: Engineering change log is translated from engineering documentation

Version : 00.03.04.02.01		Date : 2015-12-14
1.	Fixed the LA calibration error	M

Version : 00.03.04.01.00		Date : 2015-10-10
1.	Licenses of 28/56M memory depth and advance triggers are normally supported	E
2.	Fix scope hangup with timebase change	M
3.	Adjusting the EXT trigger range	M

Version : 00.03.03.02.06		Date : 2015-06-17
1.	Added the persistence of XY wave.	E
2.	Added the French language menu	E

3.	Supporting the license file installed by U DISK	E
4.	Supporting the decoder of multi-modules license file	E
5.	The screen ASC format screen data are not corresponding with the real values	M
6.	The position of the Cursor is wrong in the saved snap pictures	M
7.	Improve the stability the LAN interface communication	M
8.	Fixed the wave stop refreshing in slow scan mode for MSO serials	M
9.	Memory LA wave data can' t be saved as CSV format	M
10.	The parallel decoder result can' t align with the Clock position	M
11.	The outputs of two Source channels are not equal with each other	M
12.	The Auto operation can' t execute the auto AC settings correctly	M
13.	Update the system of SCPI commands	M
14.	Modified the result type of ":wav:yor?"	M
15.	Fixed the data fetching of the decoder	M

Version : 00.03.03.01.00		Date : 2014-12-25
1.	Only Setups data can be saved without UDISK inserted	E
2.	Fixed the wave jitter by AC trigger couple	M
3.	The channel wave don't show after power on	M
4.	Fixed the bug for invalid measure of trigger's WAIT status	M
5.	The wave cannot be displayed correctly after Auto operation	M
6.	The trigger position is incorrect when the Sample rate is 5k in the Slow mode	M

7.	SPI trigger position is always in the falling edge the clock	M
8.	Some bugs about the address condition of I2C trigger	M
9.	The Nth cannot triggered sometimes	M
10.	The trigger position will be jitter when adjusting the horizontal offset	M
11.	There is a problem about the display of RS232 package decoder	M
12.	Modified some SCPI commands	M
13.	The point voltage cannot be set when using soft keyboard in the creation of new Arbitrary waveforms of the source 2	M
14.	The waveform storage cannot be over in the ROLL mode	M
15.	The extremum statistics are still updating in WAIT status	M
16.	The system cannot save picture data when the trigger slope is SINGLE	M
17.	The SCPI command cannot read LA raw data points	M
18.	Update the library of LXI	M
19.	The polarity of the SPI's decoder is wrong	M
20.	The CopyTrig operation in the decoder don't cover the decode's mode	M
21.	The trigger position is not stable when setting the horizontal offset in the SETUP trigger	M
22.	There is an error in printing the wave data	M
23.	Adjust the recording and measure statistics	M
24.	The I2C cannot triggered when the address width is 8bit	M
25.	Remove the holdoff option in the SETUP trigger menu	M
26.	The system should not trigger about the Nth , Delay , Runt , Window , Pattern and Setup when adjusting any parameter of them.	M
27.	The SCPI commands of Source calibration cannot be answered	M
28.	The trigger position is not stable when setting the horizontal offset in	M

	the SETUP trigger	
29.	There is an error about the result of measure of period VRms and period Area.	M
30.	There is an error about the VPP measure when changing the timebase from ROLL to YT	M
31.	The Math wave is in disorder when Zoom is on in the slow scanning mode	M

Version : 00.03.01.00.04		Date : 2014-08-22
1.	The Ultra Station cannot download the wave table data.	M
2.	The loaded wave is wrong when saving in the Scan mode.	M
3.	The official options cannot continue working when the trial options expired	M
4.	There are errors about the measure of different delay and channels orders	M
5.	The power status is changed to default when power on.	M
6.	:TRIG:SPI:DATA command to set the maximum data is not enough	M
7.	The signal cannot be triggered when the duration trigger source are mixed with analog signal and digital signal.	M
8.	The maximum signal rate of CAN bus in trigger is inconsistent with in decoder.	M
9.	There is something wrong while changing vertical scale and probe ratio repeatedly.	M
10.	The signal cannot be triggered when the delay trigger source are mixed with analog signal and digital signal	M
11.	In addition to the lower edge of the external trigger, trigger type brownout restore the previous value, frequency meter	M

	menu confusion	
12.	Delay measurement locations up and down along the sometimes inaccurate	M
13.	When you exit the analysis mode, LA waveforms for all measurements is invalid	M
14.	Access to other operations as part of IP, instrument response has been slow and even crash	M
15.	Fixed the crash issue of using "AUTO" function in decode mode.	M

## End of Change Log History

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