Keysight InfiniiVision 3000T X-Series Oscilloscopes

Version 4.08

Released Date:	27 July 2016
Instrument software version:	Revision 4.08
File Name:	3000XSeriesT.04.08.2016071801.ksx

New Features

This software revision includes the following new capabilities:

- Added CXPI triggering and decode option (DSOXT3CXPI).

- Added NFC triggering option (DSOXT3NFC).

- Added frequency response analysis to Power Application (PSRR and Control Loop Response).

- Added FFT phase math operator.

Enhancements

This software revision includes the following new enhancements:

- Allow all time domain math functions to be loaded into waveform memories.

- Allow waveform memories to be used as sources for math functions.

- Added user-customizable labels for internal setup files.

- Added GUI indicator for channel invert setting.

- Added SCPI grammar for N2820 zoom and R-sense.

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- Added option for a custom time reference location.

- Added "no length control" option to LIN 1.3.

- Improved WaveGen duty cycle granularity.

- Extended WaveGen pulse width limits to 1ns at frequencies >=25kHz.

- Extended probe attenuation ratio limits to 0.001 : 1 (-60dB).

- Power Application – Inrush Current - Added support for DC-input power supplies.

- Power Application – Turn-on/Turn-off - Added support for DC-input power supplies.

- Power Application – Turn-on/Turn-off - Added option to specify measurement threshold levels.

- Power Application – Current Harmonics – Added option to automatically determine line frequency.

Bug Fixes

This software revision includes the following Bug fixes:

- Fixed incorrect DVM values in rare circumstances after toggling channel states.

- Fixed error messages when loading CAN FD .dbc files with data fields longer than 8 bytes.

- Fixed crash when saving H5 files with long path strings.

- Improved I^2C decode reliability when SCL is acquired on a digital channel.

Version 4.07

Released Date:	20 April 2016
Instrument software version:	Revision 4.07
File Name:	3000XSeriesT.04.07.2016040803.ksx

New Features

This software revision includes the following new capabilities:

- Added remote interface command logger.

Enhancements

This software revision includes the following new enhancements:

- DVM now defaults to DC.

- Cursor state may now be set independently for each cursor.

Bug Fixes

This software revision includes the following Bug fixes:

- Improved USB device mode stability when booting.

- Fixed various LIN symbol file (LDF) parsing errors.

- Fixed 50Ω probe calibration issue with the Power Analysis application.

- Improved performance when entering the IO menu.

- Fixed FFT vertical units when using a 50Ω current probe.

Version 4.06

Released Date:	26 May 2015
Instrument software version:	Revision 4.06
File Name:	3000XSeriesT.04.05.2015051200.ksx

New Features

This software revision includes the following new capabilities:

- CAN-FD ISO support has been added to DSOXT3AUTO option.

- Control loop capability in the DSOX3POWER option now includes phase view.

Enhancements

This software revision includes the following new enhancements:

- Up to 10 annotations are now supported.

- mDNS On/Off state is now preserved through power cycles.

- Network connection latencies via Telnet or Socket SCPI ports are improved in some situations in networks without NetBIOS.

Bug Fixes

This software revision includes the following Bug fixes:

- LXI identifier now reports Keysight Technologies.

- DVM has been improved when source channel is inverted.

Version 4.05

Released Date:	16 Febuary2015
Instrument software version:	Revision 4.05
File Name:	3000XSeriesT.04.05.2015021000.ksx

New Features

This software revision includes the following new capabilities:

- CAN-FD eye testing support has been added to DSOXT3AUTO option.

- LIN Symbolic decoding support has been added to DSOXT3AUTO option.

- Control Loop measurements have been added to the DSOX3POWER option.

- Bitrate measurement has been added.

- Single shot capability has been added to the Waveform Generator.

- DSOX3POWER option now includes Class D harmonics measurements, including mA/W.

- USB frame triggers have been added – Start of Packet, End of Packet, Reset Complete, Enter Suspend, and Exit Suspend.

Enhancements

- DSOX3POWER option now supports Keysight's N7020A Power rail probe.

- N7020A Power rail probe has a number of behavior improvements; improved autoscale; added calibration detection; improved trigger level interaction; expansion is now center screen.

- DISPlay:BACKLIGHT [ON|OFF] command has been added.

Bug Fixes

- A number of missing localized help screen strings and GUI strings have been added.

- "FFT" is now a valid waveform source for a number of SCPI commands.

- Status byte behaviors are improved.

Version 4.00

Released Date:	October 2014
Instrument software version:	Revision 04.00.00000
File Name:	3000XSeriesT.04.00.2014101304.cab

Initial Release

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