

U7248A/U7248B HSIC Test Application Software

Keysight U7248A/U7248B Software Version 01.13

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| Released Date: | 10 October 2016 |
| Requirements category (e.g., operating system): | Microsoft Windows 7 |
| Requirements category (e.g., instrument software version): | 5.70.0713 |
| File Name: | SetupInfHSIC01130000.exe |

Modifications:

- Added support for Infiniium Oscilloscope Software version 5.70

Keysight U7248A/U7248B Software Version 01.12

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| Released Date: | 1 October 2015 |
| Requirements category (e.g., operating system): | Microsoft Windows 7 |
| Requirements category (e.g., instrument software version): | 5.50.0031 |
| File Name: | SetupInfHSIC01120000.exe |

Modifications:

- Keysight Rebranding

Agilent U7248A/U7248B Software Version 01.11

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| Released Date: | 15 April 2015 |
| Requirements category (e.g., operating system): | Microsoft Windows 7 |
| Requirements category (e.g., instrument software version): | 4.60 |
| File Name: | SetupInfHSIC01110000.exe |

Modifications:

- Added support for Infiniium Oscilloscope Software version 5.50

Agilent U7248A/U7248B Software Version 01.10

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| Released Date: | 30 May 2014 |
| Requirements category (e.g., operating system): | Microsoft Windows 7 |
| Requirements category (e.g., instrument software version): | 4.60 |
| File Name: | SetupInfHSIC01100000.exe |

Modifications:

- Supports for Infiniium Oscilloscope Software version 5.00.

Agilent U7248A Software Version 01.02

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| Released Date: | 14 May 2014 |
| Requirements category (e.g., operating system): | Microsoft Windows XP, Microsoft Windows 7 |
| Requirements category (e.g., instrument software version): | 4.20 |
| File Name: | SetupInfHSIC01020000.exe |

Additions:

- Add window for the Strobe Frequency test after the start and before the stop of the Strobe burst.
- Add Strobe Frequency (Mean) test.
- Last Version for Windows XP

Modifications:

- Change Strobe Frequency (Min) and Strobe Frequency (Max) test to Informative Test.
- Fix the issue of incorrect unit display for the measurement trend screenshot in the report.
- InfiniiSim now includes new Delay option.
- New option to control jump behavior when you double-click a test name on the Select Tests tab. See View > Preferences > Report.
- Remote Interface updated to version 2.40.
- InfiniiSim now includes new Normalize Gain option.
- Remote Interface updated to version 2.50.
- Fixed Connection tab "Suppress" checkbox.
- When using BitifEye BIT2100 instrument for switch matrix, now requires minimum firmware version: 3.4-1.10.

Agilent U7248A Software Version 01.01

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|--|---|
| Released Date: | 14 June 2009 |
| Requirements category (e.g., operating system): | Microsoft Windows XP, Microsoft Windows 7 |
| Requirements category (e.g., instrument software version): | 4.20 |
| File Name: | SetupInfHSIC01010000.exe |

Additions:

- Addition option for user to choose the number of waveform during the mask test with live signal
- Support latest baseline 4.20.
- Electrical specification tests added as shown in Table 1.01.1. Please refer to the Programmer's Reference for the details (See Help > Remote Interface).
- Modifications in HSIC ECN (May 2012) are included (Slew Rate of Strobe and Data, Receiver Data Setup Time, Strobe Frequency measurement). Please refer to the HSIC ECN for the modification details.
- Additional user configuration added in the Configure Tab as shown in Table 1.01.2. Please refer to the Programmer's Reference for the details (See Help > Remote Interface).
- User-defined compliance limits feature for user to select, edit and create tests limit. This feature can be access through the main menu (see Tools > Compliance limits).
- Bandwidth Limit feature for acquisition setup set the frequency limit to be used during a run for all tests (Debug Mode only). To access the Bandwidth Limit feature see menu: Tools > Infiniium > Acquisition Setup.
- Infiniium's Precision Probe and Precision Cable feature configuration setup can be accessed through the main menu (see Tools > Infiniium > PrecisionProbe/PrecisionCable).
- Remote interface help and PDF files can be accessed through the main menu (see Help > Remote Interface).
- New 'Automation' tab enables you to create command scripts that modify settings and execute tests.
- New user preference to set default project location (Menu: View > Preferences > Save/Load: Default Location).

Modifications:

- Clock Recovery setting for the mask test changed from constant frequency clock to explicit clock using strobe as reference.
- Optional way of access Infiniium's InfiniiSim feature through the main menu (see Tools > Infiniium > InfiniiSim).
- InfiniiSim and PrecisionProbe dialog screens now have tooltips and remote hints.
- A calibration creation wizard is added to the PrecisionProbe dialog box.
- Now supports Remote Interface version 2.11. For more information, see Agilent's N5452A Remote Programming Toolkit (www.agilent.com/find/scope-apps).
- Fixed app startup under Windows Standard User login.

| Test ID | Test Name |
|---------|-------------------------|
| 1301 | Host Data Setup Time |
| 1302 | Host Data Hold Time |
| 1100 | Host Strobe Frequency |
| 1201 | Host Data Slew Rate |
| 1202 | Host Strobe Slew Rate |
| 2301 | Device Data Setup Time |
| 2302 | Device Data Hold Time |
| 2100 | Device Strobe Frequency |
| 2201 | Device Data Slew Rate |
| 2202 | Device Strobe Slew Rate |

Table 1.01.1

| GUI Location | Variable | Description |
|--------------|-------------------------|---|
| Setup | UpdateTrigger | Change the state to 1.0 to update the offline test list |
| Configure | SignalQualityDataFile | This variable use to store the directory of Test Packet data waveform file use in the Signal Quality Test. |
| Configure | SignalQualityStrobeFile | This variable use to store the directory of Test Packet strobe waveform file use in the Signal Quality Test. |
| Configure | EnumerationDataFile | This variable use to store the directory of enumeration data waveform file use in the Packet Parameters Test. |
| Configure | EnumerationStrobeFile | This variable use to store the directory of enumeration strobe waveform file use in the Packet Parameters Test. |
| Configure | SOFDataFile | This variable use to store the directory of SOF data waveform file use in the Packet Parameters Test. |
| Configure | SOFStrobeFile | This variable use to store the directory of SOF strobe waveform file use in the Packet Parameters Test. |
| Configure | BusStateDataFile | This variable use to store the directory of data waveform file use in the Bus State Signaling Test. |
| Configure | BusStateStrobeFile | This variable use to store the directory of strobe waveform file use in the Bus State Signaling Test. |

Table 1.01.2

Agilent U7248A Software Version 01.00

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|--|--------------------------|
| Released Date: | 15 Oct 2011 |
| Requirements category (e.g., operating system): | Microsoft Windows XP |
| Requirements category (e.g., instrument software version): | 3.10 |
| File Name: | SetupInfHSIC01000000.exe |

- Initial release
- Supports for Win 7