

# U1882B Power Measurement Application

Keysight U1882B Power Measurement Application Version  
01.50.0001

Released Date:	07 Oct 2019
Requirements category (e.g., operating system):	Microsoft Windows XP, Windows 7 or Windows 10
Requirements category (e.g., instrument software version):	6.20 (V-series), 5.00 (S-series, 5000 Series), 4.20 (9000 Series), 5.71 (8000 Series), 6.00 (6000 X-Series), 4.10 (6000/7000 Series), 3.00 (4000 X-series), 1.00 (2000/3000 X-Series)
File Name:	SetupInfPowerMeas01500001.exe

## Additions

- Included prerequisite: Keysight IO Suite Libraries 2018 Update 1

## Modifications

- Fixed download issue of Keysight Measurement Framework 1.23.

Keysight U1882B Power Measurement Application Version  
01.50.0000

Released Date:	10 Aug 2018
Requirements category (e.g., operating system):	Microsoft Windows XP, Windows 7 or Windows 10
Requirements category (e.g., instrument software version):	6.20 (V-series), 5.00 (S-series, 5000 Series), 4.20 (9000 Series), 5.71 (8000 Series), 6.00 (6000 X-Series), 4.10 (6000/7000 Series), 3.00 (4000 X-series), 1.00 (2000/3000 X-Series)
File Name:	SetupInfPowerMeas01500000.exe

## Additions

- Added support for Windows 10 64bit.
- Added support for Infiniium V-Series Oscilloscope.
- Uses Keysight Measurement Framework 1.23.

## Modifications

- Uses MATLAB Compiler Runtime 9.1.

## Keysight U1881A/U1882A Power Measurement Application Version 01.42

Released Date:	25 Aug 2017
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.00 (S-series, 5000 Series), 4.20 (9000 Series), 5.71 (8000 Series), 6.00 (6000 X-Series), 4.10 (6000/7000 Series), 3.00 (4000 X-series), 1.00 (2000/3000 X-Series)
File Name:	SetupPowerMeasurement01420000.exe

## Modifications

- Improved peak detection in FFT plot of Current Harmonics test.

## Keysight U1881A/U1882A Power Measurement Application Version 01.41

Released Date:	4 Aug 2017
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.00 (S-series, 5000 Series), 4.20 (9000 Series), 5.71 (8000 Series), 6.00 (6000 X-Series), 4.10 (6000/7000 Series), 3.00 (4000 X-series), 1.00 (2000/3000 X-Series)
File Name:	SetupPowerMeasurement01410000.exe

## Modifications

- Fixed FFT plot not showing the correct value in Current Harmonics test.

## Keysight U1881A/U1882A Power Measurement Application Version 01.40

Released Date:	2 May 2016
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.00 (S-series, 5000 Series), 4.20 (9000 Series), 5.71 (8000 Series), 6.00 (6000 X-Series), 4.10 (6000/7000 Series), 3.00 (4000 X-series), 1.00 (2000/3000 X-Series)
File Name:	SetupPowerMeasurement01400000.exe

### Modifications

- Keysight rebranded.

## Keysight U1881A/U1882A Power Measurement Application Version 01.31

Released Date:	2 July 2014
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.00 (S-series, 5000 Series), 4.20 (9000 Series), 5.71 (8000 Series), 4.10 (6000/7000 Series), 3.00 (4000 X-series), 1.00 (2000/3000 X-Series)
File Name:	SetupPowerMeasurement01310000.exe

### Additions

- Added support for Infiniium S-Series Oscilloscope.

## Keysight U1881A/U1882A Power Measurement Application Version 01.24

Released Date:	15 November 2012
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.00 (5000 Series), 2.00 (9000 Series), 5.71 (8000 Series), 4.10 (6000/7000 Series), 3.00 (4000 X-series), 1.00 (2000/3000 X-Series)
File Name:	SetupPowerMeasurement01240000.exe

### Additions

- Added support for InfiniiVision 4000 X-Series Oscilloscope.

## Modifications

- Uses Matlab Compiler Runtime 7.15.

## Keysight U1881A/U1882A Power Measurement Application Version 01.23

Released Date:	29 May 2012
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.00 (5000 Series), 2.00 (9000 Series), 5.71 (8000 Series), 4.10 (6000/7000 Series), 1.00 (2000/3000 X-Series)
File Name:	SetupPowerMeasurement01230000.exe

## Additions

- Added support for Win7 64 bits

## Modifications

- Modify crest factor measurement to take into consideration negative offsets.
- Switching loss measurement will either ignore negative power calculations or included as negative value when calculating average power. Previously absolute value of the negative power was taken which causes the average power calculated to be high.

## Keysight U1881A/U1882A Power Measurement Application Version 01.22

Released Date:	25 February 2011
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.00 (5000 Series), 2.00 (9000 Series), 5.71 (8000 Series), 4.10 (6000/7000 Series), 1.00 (2000/3000 X-Series)
File Name:	SetupPowerMeasurement01220000.exe

## Additions

- Added support for InfiniiVision 2000/3000 X-Series Oscilloscope.

## Modifications

- Fixed ACL warning in Windows Vista/7 (32bits)

## Keysight U1881A/U1882A Power Measurement Application Version 01.21

Released Date:	12 November 2009
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.00 (5000 Series), 2.00 (9000 Series), 5.71 (8000 Series), 4.10 (6000/7000 Series)
File Name:	SetupPowerMeasurement01210000.exe

### Additions

- Added support for 7000B Series Oscilloscope.

## Keysight U1881A/U1882A Power Measurement Application Software Version 01.20

Released Date:	22 June 2009
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.00 (5000 Series), 2.00 (9000 Series), 5.71 (8000 Series), 4.10 (6000/7000 Series)
File Name:	SetupPowerMeasurement01200000.exe

### Additions

- Added support for 5000 Series Oscilloscope.
- Added support for 9000 Series Oscilloscope.
- Added Efficiency Analysis measurement group which is a 4-channel measurement.
- Support loading multiple waveforms in a single binary (\*.bin) waveform file.

### Modifications

- Fixed algorithm for Load Transient Response test

## Keysight U1881A/U1882A Power Measurement Application Version 01.11

Released Date:	6 June 2008
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.30 (Infiniium Oscilloscope), 4.10 (6000 Series)
File Name:	SetupPowerMeasurement01110000.exe

## Modifications

- Fixed the font and layout for the international language of Windows XP.
- Disabled the connection diagram pop-up during Gating Acquisition which occurs on saved project.

## Keysight U1881A/U1882A Power Measurement Application Version 01.10

Released Date:	17 March 2008
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.30 (Infiniium Oscilloscope), 4.10 (6000 Series)
File Name:	SetupPowerMeasurement01100000.exe

## Additions

- Added the Turn-Off Time measurement.
- The channel deskew values will be reported back in the html report.
- Added total power measurement for the Inrush Current measurement.
- Added frequency measurement for the Switching Loss measurement.
- New SOA Mask Editor.
- Added the Horizontal Offset buttons.
- Added the User Descriptions for the DUT in the Test Configurations.
- Added ground indicator in the waveform results.
- Added the “Show Connection Diagram” options in View menu.
- Added the Graphs View Menu when right click on the waveforms.
- Added button to hide the Test Selection panel.
- Added intermediate scale number in the FFT and SOA I-V graph.
- Added capability to export results and waveform to comma separated file (CSV) format.
- Added the text “Preview Available in Offline Mode Only” in channel selection in the Test Configuration.

## Modifications

- User will be prompted to run the Deskew each time a new session is started. This is in addition to the Deskew test available from the dropdown menu.
- Deskew has a new user interface. Initial test configuration will be taken from the Test Configuration tab but once deskew is completed, the changes made to the configurations on the deskew user interface will not be reflected on the Test Configuration tab. This allows user to resume the old configuration to perform the selected measurements (Switching loss for example).
- Offline analysis is available for the Load Transient Response measurement.
- Reorder style of reporting for switching loss, dv/dt and di/dt measurements, whereby the mean, min and max values are reported before each individual edge values are reported.
- Larger buttons on the Vertical Scales and Time Scale.
- Moved the Legend to the Vertical Scales section.

- SOA Mask will be saved together with the project.
- Renamed the “Cursor Measurement” to “Acquisition Gating”
- Changed the application title to “Power Measurement Application”.
- Modified the results in window style grouped by test name.
- When multiple graphs are being showed, all waveform will be split evenly.
- Changed “Show Cursor” checkbox to “Show Waveform Cursor” button to enable/disable waveform cursor.
- Vertical scales can be clicked to select the target waveform for the Waveform Cursor when the Waveform Cursor is enabled.
- Removed the “View One Graph”, “View Two Graphs”, “View Four Quadrant Graphs”, “View Four Grid Graphs” buttons from the toolbar.
- Removed the “Tools” menu.
- Removed the “Normal View” and “Advanced View” in the Test Configuration.
- Renamed the “Autoscale Waveforms” to “Default Scale”.

## Keysight U1881A/U1882A Power Measurement Application Version 01.00

Released Date:	26 September 2007
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.30 (Infiniium Oscilloscope), 4.10 (6000 Series)
File Name:	SetupPowerMeasurement01000000.exe

Initial release