

# N6705 DC Power Analyzer

## Version E.02.01.3173 Information (Firmware is for N6705C only)

Released Date:	January 2019
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7, Microsoft Windows 8, Microsoft Windows 10
File Name:	N6705-E_02_01_3173.upd

### New Features

- Added support for N6791A and N6792A modules.

### Bug Fixes

- Fixed not being able to stop an interleave datalog before reaching full time specified.

## Version E.01.06.2838 Information (Firmware is for N6705C only)

Released Date:	November 2017
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7, Microsoft Windows 8, Microsoft Windows 10
File Name:	N6705-E_01_06_2838.upd

### New Features

- Added 3 extra OCP delay ranges to the new N675XA and N676XA modules.

### Bug Fixes

- Fixed no acquisition trigger when sense:sweep:offset:point is positive.
- Fixed lock up issue caused by selecting multiple datalog traces on multiple channels.

## Version E.01.04.2796 Information (Firmware is for N6705C only)

Released Date:	September 2017
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7, Microsoft Windows 8, Microsoft Windows 10
File Name:	N6705-E_01_04_2796.upd

### Bug Fixes

- Corrected fan speed control

## Version E.01.03.2753 Information (Firmware is for N6705C only)

Released Date:	August 2017
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7, Microsoft Windows 8, Microsoft Windows 10
File Name:	N6705-E_01_03_2753.upd

### New Features

- Added bandwidth pole frequency to change the filter frequency associated with each voltage priority bandwidth range.

### Bug Fixes

- Fixed the 4-wire front panel LED to indicate correctly at boot-up.
- Fixed lock up issue in the arb preview screen when pressing the down navigation arrow in a unit with no module in channel 1.
- Fixed crash when sending SCPI RES? query to a module other than N6781A, N6782A or N6784A.
- Changed the SCPI command for N6781A, N6782A and N6784A in SDM systems.

## Version E.01.00.2723 Information (Firmware is for N6705C only)

Released Date:	March 2017
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
File Name:	N6705-E_01_01_2723.upd

## Bug Fixes

- Fixed data log export function. It did not correctly convert more than one channel of data to .csv format.
- Fixed binary file transfer from the web UI.
- Fixed several LXI defects.

## Version E.01.00.2699 Information (Firmware is for N6705C only)

Released Date:	October 2016
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7

## New Features

- Added support for the N6705C mainframe

## Version D.02.13 Information

Released Date:	November 2016
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
File Name:	N6705A-D_02_13.xs

## New Features

- Adds trigger SCPI TRIGger:MEASure:TALign:CORRection[:STATe] bool,(@clist) command to enable improved alignment of N6781A, N6782A and N6784A current measurements with external trigger.
- Increased the number of VXI-11 connections accepted from 3 to 4.

## Bug Fixes

## Version D.02.08 Information

Released Date:	December 2014
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
File Name:	N6705A-D_02_08.xs

## New Features

- Adds support for N6785A and N6786A SMUs.

## Bug Fixes

### Version D.01.09 Information

Released Date:	November 2012
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
File Name:	N6705A-D_01_09.xs

## Bug Fixes

### Version D.01.08 Information

Released Date:	May 2012
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7

## New Features

- Adds power measurements over the SCPI interface.
- Adds the ability to simultaneously measure 8 parameters using the SCPI interface by changing the time interval for measurements from 20 microseconds to 40 microseconds.

### Version D.01.07 Information

Released Date:	November 2011
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7

## New Features

- Added support for N6755A, N6756A, N6763A, N6764A, N6765A, N6766A, and N6777A modules.

### Version D.01.02 Information

Released Date:	September 2010
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Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
File Name:	N6705-backup-D_01_02.xs

## New Features

- Adds support for N6784A Source/Measure Unit
- Adds voltmeter emulation mode for N678xA SMU Modules
- Adds current priority slew for N678xA SMU module

## Version D.00.03 Information

Released Date:	August 2010
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7

## New Features

- Adds support for N6781A and N6782A Source/Measure Units (SMUs) Added external datalogging ability (ELOG).

## Version C.02.01 Information

Released Date:	May 2010
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7

## New Features

- Adds support for the N6705B mainframe
- Adds support for the N6753A module in the N6705B mainframe only
- Adds support and licensing for the 14585A software

## Version C.00.09 Information

Released Date:	March 2009
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7

## New Features

- Added Support for new modules: N6773A-N6776A, N6753A, and N6754A.
- Adds Power Line Cycle (PLC) integration time control to Meter View
- Extends On/Off time delay from 1sec to 1000sec
- Adds Constant Dwell Arb (CD Arb)
- Adds faster Scope View measurements – 10 us sample rate for 2 traces
- Adds deeper Scope View Measurement Buffer

## Version B.00.01 Information

Released Date:	October 2008
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7

## New Features

- Adds \*LRN? learn string query
- Adds self-test errors persisting on the front panel.

## Version A.xx.xx Information

Released Date:	April 2007
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7

## Initial Release

## New Features

- Added support for 2UA option to the N6761A and N6762A
- Adds the ability to group (parallel) from 2 to 4 outputs to act as a single output
- Adds Power traces to the Scope and Data Logger