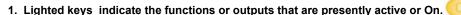
Navigation Tips





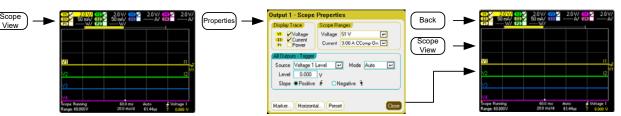
2. Use the Select Output keys to select an output to control. The lighted key indicates the output that is presently selected.



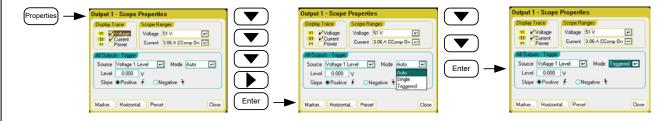
3. Use the function keys to toggle between two related views or functions. Meter View Scope View Scope View Settings Arb For example:



For example:



5. Use the Navigation keys and the Enter key to select an item in a dropdown list.



6. Use the pushbutton knobs to reset the Scope and Data Logger traces and markers.

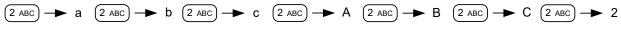


and Data Logger traces.



to reset the markers to the viewable area of the display.

7. Use the Numeric/Alpha keys to enter data. Numeric keys are active on fields that allow numeric characters. Alpha keys are automatically active on fields that allow alpha-numeric characters. Repeatedly pressing a key in an alphanumeric field cycles through the list of choices. Pausing enters the value. Similar to text entry on a cell phone.



Press (Back Space) to back up and remove the current character. Use () and () to move within the field.

8. Use the (Menu) key to access all of the programmable functions of the Keysight N6705. The Help menu item provides assistance for some of the most commonly used features and functions of the instrument.

The Front Panel at a Glance



- 1 Line Switch turns the instrument on or off.
- 2 Display displays all instrument functions.
- **3 Measure keys** select the measurement function. Run/Stop key starts and stops the measurement.
- 4 Source keys program the source functions. **Arb Run/Stop** starts and stops the arbitrary waveform.
- 5 Menu, Properties, File keys access the indicated
- **6 Navigation keys** navigate through the dialog windows. Enter key selects; Back key cancels the selection.
- 7 Numeric/Alpha keys enter numeric and alpha
- 8 Voltage/Current knobs set the voltage and current of the selected output.

- 9 Select Output keys select an output to control. The lit key indicates the selected output.
- 10 Emergency Stop turns off all outputs immediately.
- 11 Memory Port for connecting a USB Memory device.
- 12 On keys turn individual outputs on or off; outputs are on when the key is lit.
- 13 Output terminals + and -- output and sense terminals for all outputs.
- 14 4 Wire indicator + and -- sense terminals are active when indicator is lit.
- 15 All Outputs On/Off keys turns all outputs on or off according to the specified delays.
- 16 Waveform Display knobs control the scope and data logger views.

Additional Information

Built-in instrument help

Press the (Menu) key and scroll to the Help item. Press Enter. Select a Help item from the menu.

Documentation for mobile devices A manual for mobile devices is available by scanning the following:



Documentation on the Web

Product documentation is available on the Web at http://www.keysight.com/find/N6705.

Firmware updates

Install the latest firmware updates from the Web at http://www.keysight.com/find/N6705firmware.

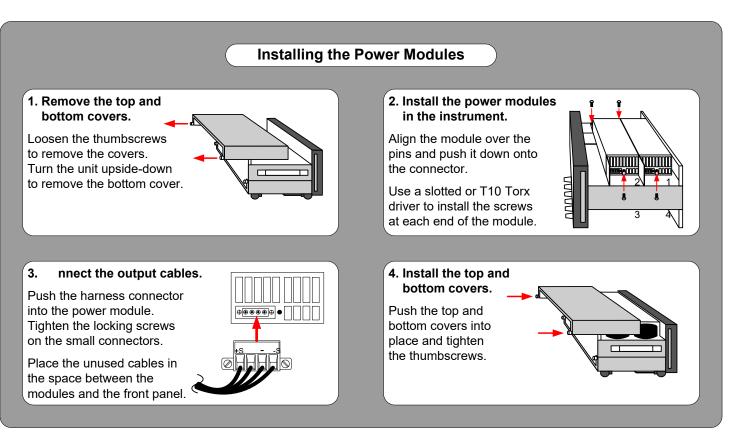
www.keysight.com © Keysight Technologies 2016 Edition 1. October 2016 Printed In Malaysia



Keysight N6705C DC Power Analyzer

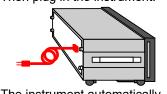
Quick Start Tutorial

Thank you for purchasing the Keysight N6705C DC Power Analyzer. This tutorial will help you quickly get started installing and using your DC Power Analyzer.



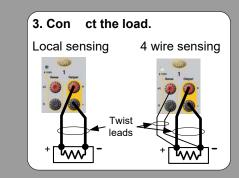


1. Connect the power cord. Then plug in the instrument.



The instrument automatically adjusts to the power line voltage.

2. Position the instrument. Lower the extension bar for easier viewing.







1. P ss the Line switch to turn on the instrument.

The self test takes a few seconds; the instrument then defaults to Meter View with Output 1 selected. Digits on the display vary according to the installed power module.



2. P ss the Select Output keys, or use the navigation keys to select a different output.





The Select Output key will light to indicate the selection.

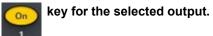
3. Turn the oltage and current knobs to set the output voltage and current.



The front panel V and A Set fields will indicate the values that the voltage and current are set to. Watch the values change as you rotate the knobs.



4. Press t

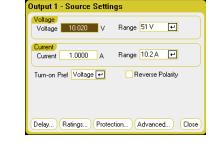


The output voltage will rise to the voltage setting when the unit is operating in constant voltage (CV) mode. The output current will rise to the current setting when the unit is operating in constant current (CC) mode

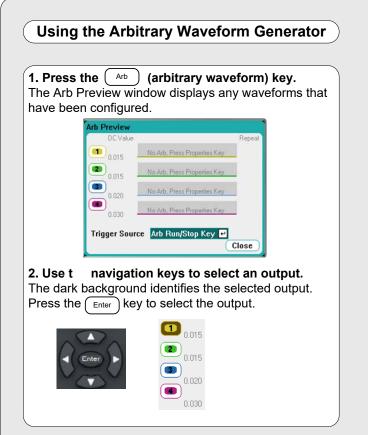
The voltage and current meters display the actual output voltage and current.

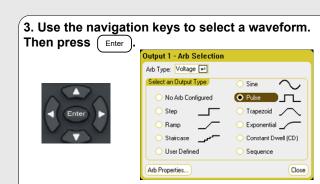


5. Press (Settings) to pro am additional functions for the selected output.

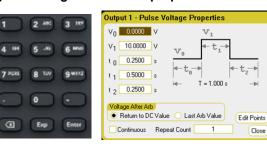


- * Voltage and curr nt ranges
- utput turn-on/turn-off delays (select Delay)
- ver-voltage/over-current protection (select (Protection))
- * Voltage slew rat (select (Advanced))

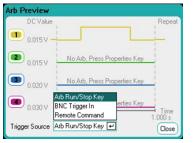




4. Press Properties. Use the navigation and number keys to configure the Pulse properties.



5. Pr s Close or Back. Use the navigation keys to select the trigger source for the Arb.



6. Press to turn on the selected Arb outputs.

7. Press Neter to view the output voltage and current values when the Arb is generated.

8. If the trigger ource is Arb Run/Stop key, press Arb Run/Stop to start the Arb.

Using the Scope to Measure the Output

1. Press the Scope View key.

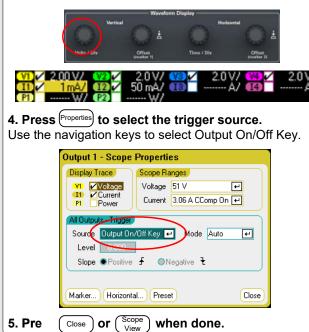


2. Use the n igation keys to select the traces. Select the current trace for output 1 (I1). The colored rectangle identifies the selected trace. Press the Enter key to turn the trace on or off. If the box is checked , the trace is turned on.



Keysight N676xA power modules can display voltage, current, and power. All other power modules can display either voltage or current, but not both.

3. U the Volt/Div knob to adjust the amplitude.



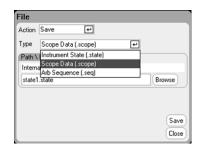
rigger a scope measurement. 60.0 ms Auto On/O1 20.0 ms/d 61.44us 7. Press $\binom{\text{Scope}}{\text{View}}$ t display the markers. Use the Marker (Offset) knobs to move the markers. Calculations apply to the area between the markers.

Saving the Scope Measurement

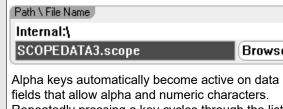
1. Press File to save the scope measurement. Select Save.



2. Use t navigation keys to select Scope data.



3. Navigate to the File Name field and enter the name under which to save the scope data.



fields that allow alpha and numeric characters. Repeatedly pressing a key cycles through the list. This is similar to text messaging on a cell phone.

Browse

4. Select the Save button to save the data.

Additional File functions:

- * Saving and recalling instrument states
- * M naging files and folders
- * E porting and importing arbitrary waveforms
- * S ving screen captures

Using the Data Logger

The Data Logger is similar to the Scope, but is optimized for collecting data over an extended time. Note: Option 055 deletes the data logging function.

1. Press Data Logger then Properties Specify the duration and the sample interval. Specify if you wish to log minimum and maximum values in addition to the average values.

Specify a filename in which to save the data log.



2. ress to turn on the data logger outputs.

3. Press (Run/Stop) to start the data logger.