

Agilent U3606B Multimeter | DC Power Supply

Quick Start Guide



Notices

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Safety Notices

CAUTION

A **CAUTION** notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in damage to the product or loss of important data. Do not proceed beyond a **CAUTION** notice until the indicated conditions are fully understood and met.

WARNING

A WARNING notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in personal injury or death. Do not proceed beyond a WARNING notice until the indicated conditions are fully understood and met.

Safety Symbols

The following symbols on the instrument and in the documentation indicate precautions which must be taken to maintain safe operation of the instrument.

===	Direct current (DC)	?	Alternating current (AC)
\sim	Both direct and alternating current	<u></u>	Caution, risk of danger (refer to this manual for specific Warning or Caution information)

Environmental Conditions

This instrument is designed for indoor use and in an area with low condensation. The table below shows the general environmental requirements for this instrument.

Environmental condition	Requirement		
Temperature	 Operating condition 0 °C to 55 °C Storage condition -40 °C to 70 °C 		
Humidity	 Operating condition Up to 80% RH at 40°C (non-condensing) Storage condition Up to 95% RH at 40°C (non-condensing) 		
Altitude	Up to 2000 m		
Pollution degree	2		

NOTE

The U3606B Multimeter | DC Power Supply complies with the following safety and EMC requirements:

- IEC 61010-1:2001/EN 61010-1:2001 (2nd Edition)
- Canada: CAN/CSA-C22.2 No. 61010-1-04
- USA: ANSI/UL 61010-1:2004
- IEC 61326-1:2005/EN61326-1:2006
- CISPR11:2003/EN55011:2007, Group 1 Class A
- · Canada: ICES/NMB-001:Issue 4, June 2006
- Australia/New Zealand: AS/NZS CISPR 11:2004

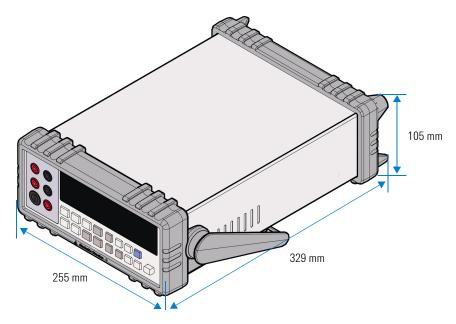
Regulatory Markings

CE ISM 1-A	The CE mark is a registered trademark of the European Community. This CE mark shows that the product complies with all the relevant European Legal Directives.	C N10149	The C-tick mark is a registered trademark of the Spectrum Management Agency of Australia. This signifies compliance with the Australia EMC Framework regulations under the terms of the Radio Communication Act of 1992.
ICES/NMB-001	ICES/NMB-001 indicates that this ISM device complies with the Canadian ICES-001. Cet appareil ISM est confomre a la norme NMB-001 du Canada.		This instrument complies with the WEEE Directive (2002/96/EC) marking requirement. This affixed product label indicates that you must not discard this electrical or electronic product in domestic household waste.
© ® Us	The CSA mark is a registered trademark of the Canadian Standards Association.		

Additional Safety Information

For further information on safety, refer to the U3606B User's Guide.

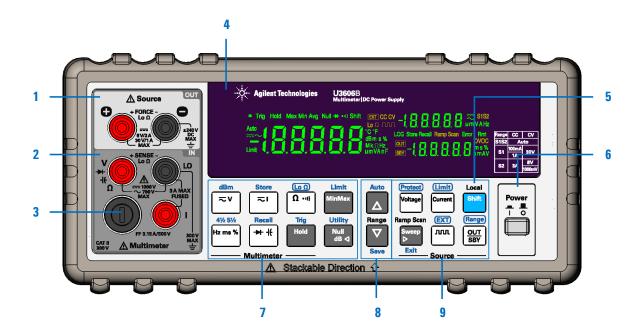
1 Standard Shipped Items



Agilent U3606B Multimeter | DC Power Supply



2 The Front Panel at a Glance



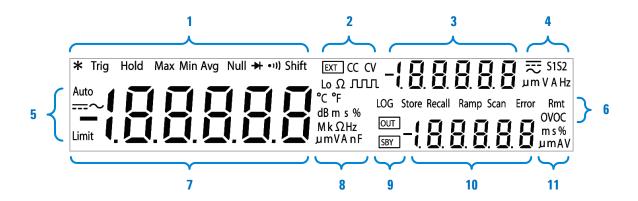
- 1 Output terminals
- 2 Input terminals
- 3 Current fuse
- 4 Vacuum fluorescent display (VFD)
- 5 Shift/Local

- 6 Power ON/OFF switch
- 7 Keys for multimeter operation
- 8 Autorange and manual range
- 9 Keys for source operation

NOTE

For a complete list of all the keypad functions and descriptions, see *Chapter 1, "Getting Started"* in the *U3606B User's Guide*.

3 The Display at a Glance

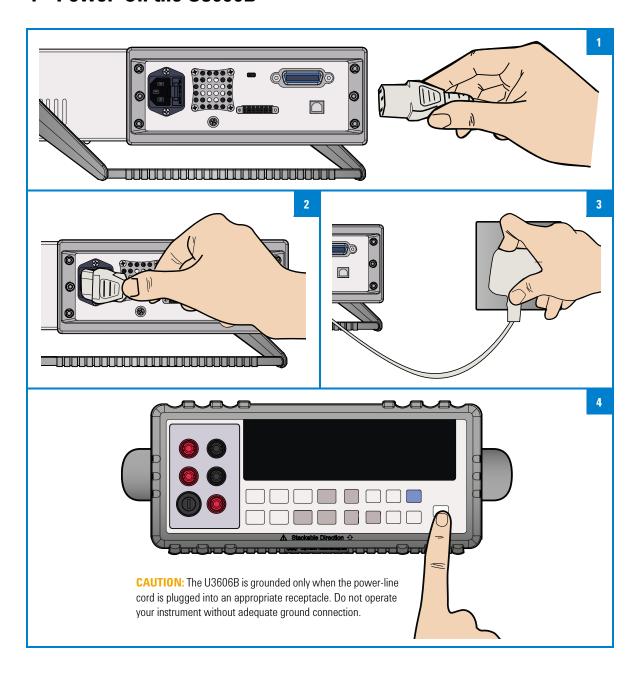


- 1 Trigger, hold, statistics, null, diode, audible continuity, and shift annunciator
- 2 Source functions, Lo Ω annunciator
- 3 Primary display for source functions (upper secondary display)
- 4 Calibration and source functions and units, S1 and S2 range annunciators
- 5 Autoranging, AC, DC, and limit annunciator
- 6 Log, store, recall, ramp, scan, error, remote, and over-voltage/over-current annunciator
- 7 Primary display for digital multimeter measurements
- 8 Measurement functions and units
- 9 OUT and SBY annunciators
- Secondary display for source functions (lower secondary display)
- 11 Source functions and units

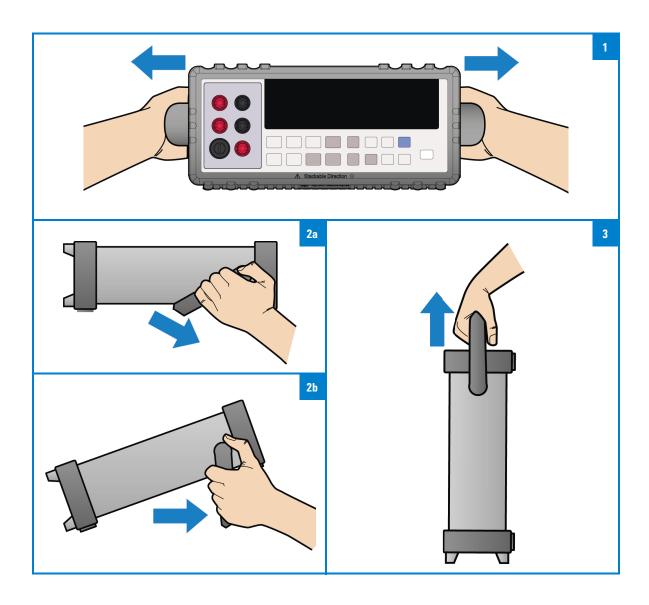
NOTE

For a complete list of all the annuciator descriptions, see *Chapter 1, "Getting Started"* in the *U3606B User's Guide*.

4 Power-On the U3606B

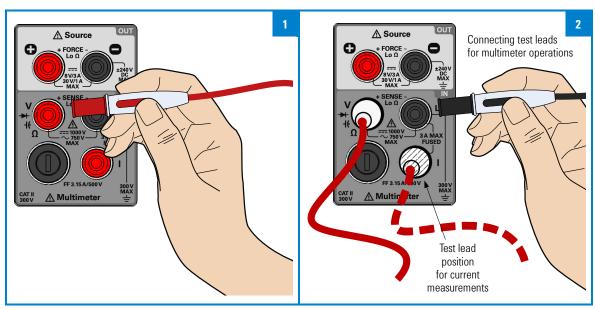


5 Adjust the Carrying Handle

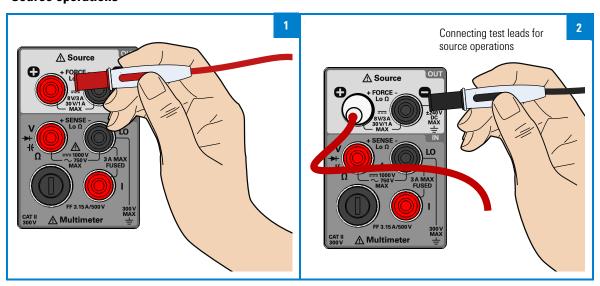


6 Connect the Test Leads to the Terminals

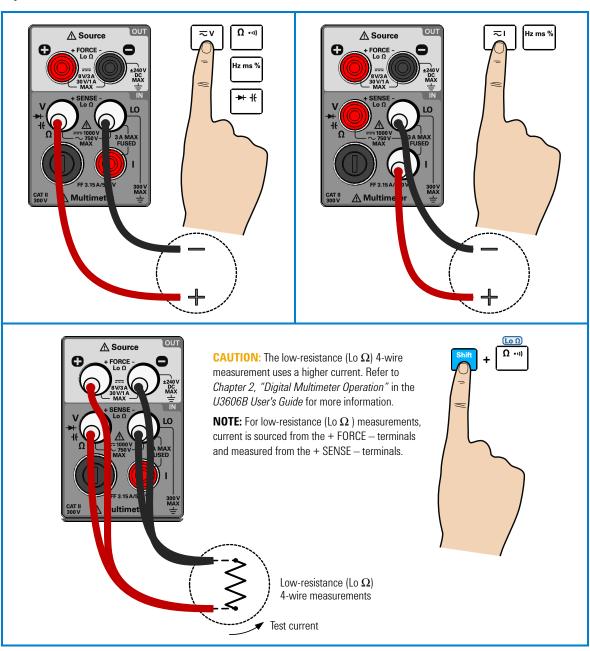
Multimeter operations



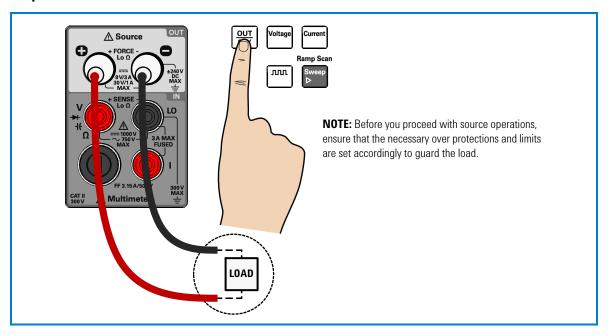
Source operations



Input connections for multimeter functions



Output connections for source functions



CAUTION

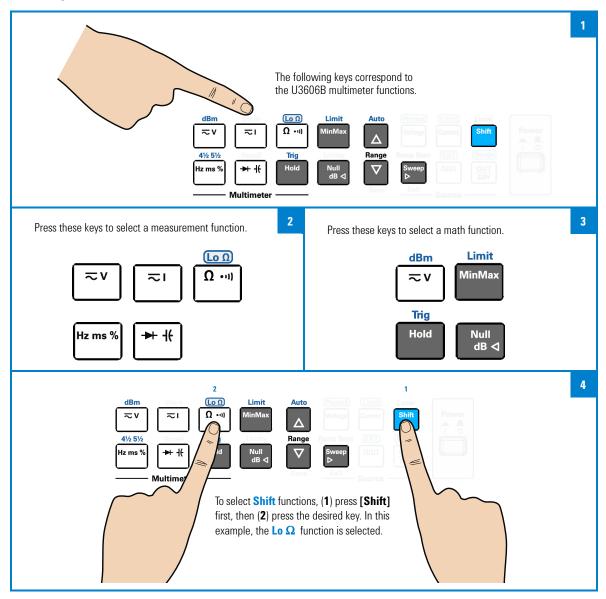
To avoid damaging this device, do not exceed the rated input limit.

NOTE

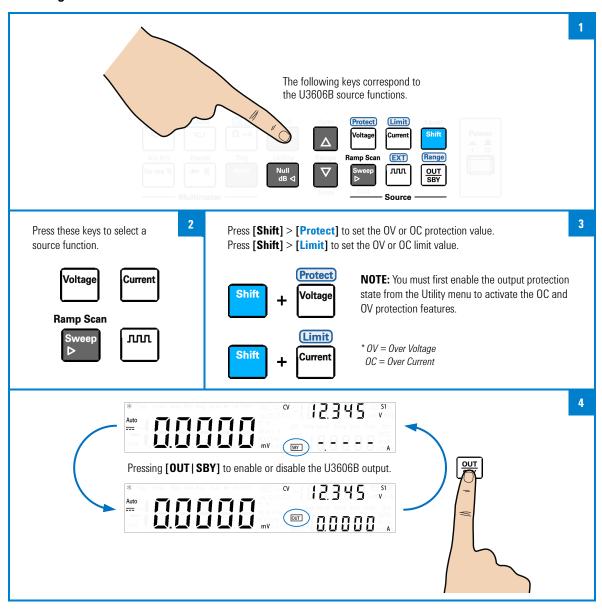
For a detailed breakdown of all input/output terminal connections, see *Chapter 1, "Getting Started"* in the *U3606B User's Guide*.

7 Select a Function

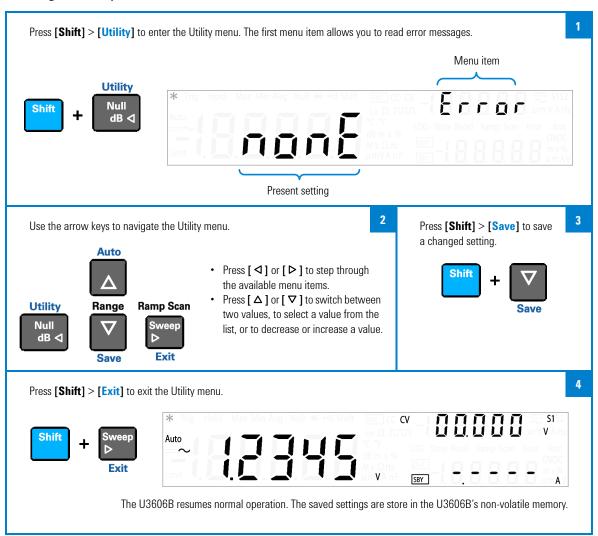
Selecting a measurement and math function



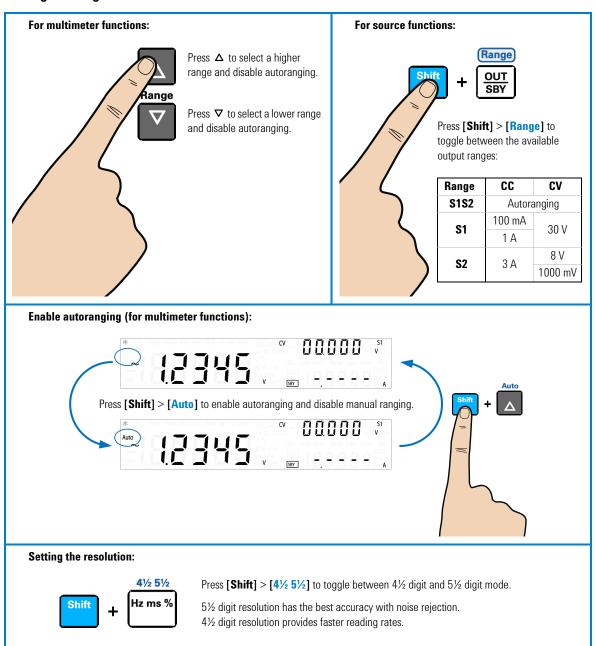
Selecting a source function



Entering the Utility menu



Setting the range and resolution



8 Where to Go Next?

User references

User's Guide The Agilent *U3606B Multimeter* | *DC Power Supply User's Guide* contains more detailed information on the front panel, measurement functions, math operations, source operations, output functions, and the utility menu (the utility menu allows you to customize the instrument settings). It also contains information requisite to do performance tests, adjustments, troubleshooting, and repairs.

Programmer's Reference For information on remote programming and SCPI commands, see the Agilent U3606B Multimeter |DC| Power Supply Programmer's Reference.

Agilent support and contact information

Check www.agilent.com/find/U3606B for the latest version of the User's Guide, additional information, downloads, and services related to your Agilent product.

The website provides information on the use of Agilent products and services. If you need to contact customer service, check the list of local Agilent contact centers on www.agilent.com/find/contactus.

For maintenance services, check your nearest Agilent Service Center on www.agilent.com/find/assist.

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