

Agilent U3606A Multimeter | DC Power Supply



Pick any two

DMM *and* power supply? Simultaneous *and* independent? Get all this and more in the Agilent U3606A multimeter | DC power supply. This convenient new hybrid combines a 5½-digit DMM and 30-W dual-range supply in a single unit. Operating simultaneously and independently, the instruments provide efficient, affordable testing while saving space on the bench or in a rack. Small *and* cost-effective? Supply *and* measure? Pick any two with the Agilent U3606A.

2-in-1-box convenience

Space savings on the bench and rack, and simpler instruments set-up

Full-featured 5 ½ digit DMM

- ▶ 120,000 counts resolution
- ▶ Fast measurement speed of 37 readings/s
- ▶ Low error rate of up to 0.025% basic DCV accuracy
- ▶ 9 measurement functions, including capacitance
- ▶ 8 built-in math functions
- ▶ 4-wire milliohm measurement with 0.001 mΩ resolution

Full-featured 30 W, dual-range DC supply

- ▶ 30 V/1 A and 8 V/3 A
- ▶ Excellent line/load regulation of up to 0.01%+3 mV
- ▶ OVP and OCP load protection
- ▶ Auto ramp and scan for multi-level DC bias testing
- ▶ Up to 4.8 kHz square-wave output for digital circuit troubleshooting

Easy power up

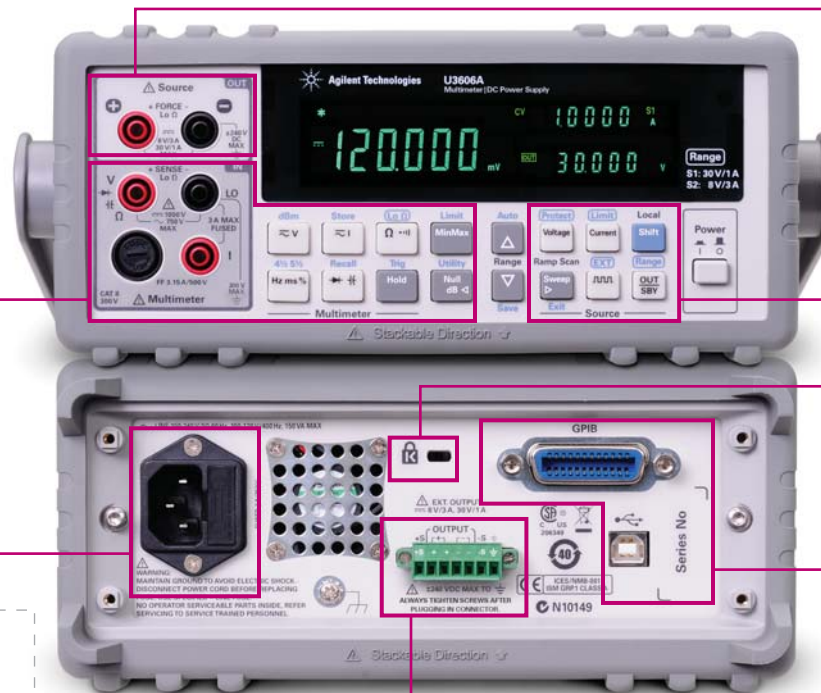
Universal AC input for 100–240 VAC, 45–66 Hz

AREA FOR DISTRIBUTOR LOGO AND CONTACT INFORMATION, Dotted line does NOT print; defines usable area ONLY

LOGO MAXIMUM SIZE=1 COLUMN WIDTH

CENTER ABOVE AGILENT AUTHORIZED LOGO

CONTACT INFORMATION LINE:
9 point Bold Condensed



Physical security

Kensington lock slot helps secure your instrument and prevents theft or misplacement

Hassle-free integration into existing systems

- ▶ Standard USB-TMC488.2 and GPIB connectivity
- ▶ SCPI compliance for easy code migration

Accurate results

Built-in remote sensing helps you ensure accurate supply at load end

Everything you need to know about the U3606A

| Features | U3606A |
|--------------------------------------|--|
| Supply-and-measure capability | Simultaneous; two independent instruments in a box |
| DMM functions | |
| Resolution | 120,000 counts |
| DC Voltage | Accuracy: 0.025% Range: 100 mV – 1000 V |
| True RMS AC Voltage | Accuracy: 0.2% Range: 100 mV – 750 V |
| DC Current | Accuracy: 0.05% Range: 10 mA – 3 A |
| True RMS AC Current | Accuracy: 0.5% Range: 100 mA – 3 A |
| Resistance | 2-wire Accuracy: 0.05% Range: 100 Ω – 100 MΩ 4-wire Accuracy: 0.25% Range: 100 mΩ – 10 Ω |
| Frequency | Accuracy: 0.02% Range: 2 Hz – 300 kHz |
| Capacitance | Accuracy: 1% Range: 1 nF – 10,000 μF |
| Diode, Continuity | Yes |
| Math Functions | Null, dB, dBm, Min/Max/Avg, Limit, Hold |
| Power Supply functions | |
| Output Ratings | 30 V/1 A, 8 V/3 A |
| Regulation | Load Voltage: 0.01% + 3 mV Current: 0.03% + 0.3 mA Line Voltage: 3 mV Current: 1.5 mA |
| Ripple and Noise | Voltage: <2 mVrms; <30 mVpp Current: <1 mA rms |
| Transient Response | 300 ms |
| Front Panel Resolution | Voltage: 1 mV Current: 0.1 mA |
| Programming | Accuracy Voltage: 0.05% + 5 mV Current: 0.15% + 3 mA Resolution Voltage: 1 mV Current: 0.1 mA |
| Readback | Accuracy Voltage: 0.05% + 5 mV Current: 0.15% + 3 mA Resolution Voltage: 1 mV Current: 0.1 mA |
| General | |
| Security | Kensington lock slot |
| Connectivity | USB 2.0 (TMC-488.2), GPIB |
| List Price | \$1,199 |

Ordering Information

U3606A Multimeter | DC Power Supply

Each U3606A includes:

- Quick Start Guide
- Product Reference CD
- Agilent IO Library Suite
- Certificate of Calibration
- U8201A Combo Test Lead Kit
- USB 2.0 High-Speed Type-A to Type-B Cable
- AC Power Cord

Accessories

- U8201A Combo Test Lead Kit
- U3606A-1CM Rack Mount Kit

Options for DMM

- U8202A Electronic Test Lead Kit
- 34133A Precision Electronic Test Leads
- 11059A Kelvin Probe Set
- 11062A Kelvin Clip Set
- 34136A 40 kV High-voltage Probe
- 34330A Current Shunt (30 A)

Option for DC power supply

- E3600A-100 Test Lead Kit

I/O connectivity options

- 82350B/82351A PCI/PCIe GPIB interface card
- 82357B USB/GPIB converter
- E5810A LAN/GPIB gateway
- 10833D/A/B/C/F/G GPIB cables
- 10834A GPIB-to-GPIB adapter
- E5813A networked 5-port USB hub

AREA FOR DISTRIBUTOR LOGO AND CONTACT INFORMATION,
Dotted line does NOT print; defines usable area ONLY

LOGO MAXIMUM SIZE=1 COLUMN WIDTH

CENTER ABOVE AGILENT AUTHORIZED LOGO

CONTACT INFORMATION LINE:
9 point Bold Condensed



U8201A Combo Test Lead Kit



E3600A-100 Test Lead Kit



11059A Kelvin Probe Set and
11062A Kelvin Clip Set

Pricing and technical data subject to change without notice.
© Agilent Technologies Inc, 2009

April 30, 2009
5990-3905EN