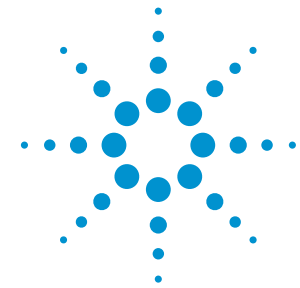


# Agilent U3606A Multimeter | DC Power Supply

## Pick any two

The 3DMM 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.



### 1. 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 mW resolution

### 2. Easy power up

- Universal AC input for 100 to 240 VAC, 45 to 66 Hz

### 3. Accurate results

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

### 4. Hassle-free integration into existing systems

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

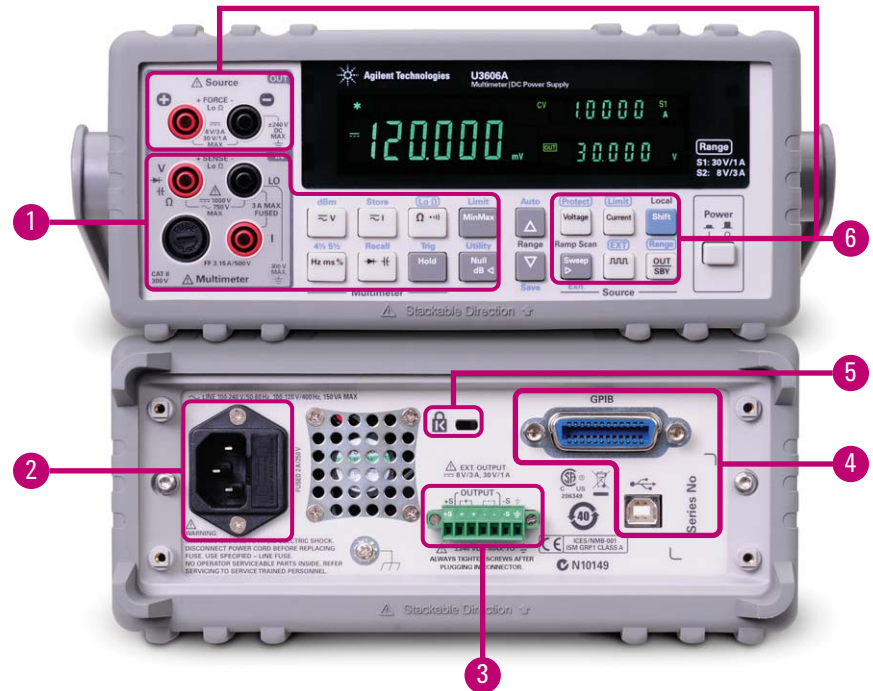
### 5. Physical security

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

### 6. 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

**2-in-1-box convenience**  
Space savings on the bench and rack, and simpler instruments set-up



## Quick Fact Sheet

# Agilent U3606A Multimeter | DC Power Supply

Everything you need to know about the U3606A

Features		U3606A	
Supply-and-measure capability	Simultaneous; two independent instruments in a box		
<b>DMM functions</b>			
Resolution	120,000 counts		
	<b>Accuracy</b>	<b>Range</b>	
DC voltage	0.025%	100 mV to 1000 V	
True RMS AC voltage	0.2%	100 mV to 750 V	
DC current	0.05%	10 mA to 3 A	
True RMS AC current	0.5%	100 mA to 3 A	
Resistance	2-wire	0.05%	100 Ω to 100 MΩ
	4-wire	0.25%	100 mΩ to 10 Ω
Frequency	0.02%	2 Hz to 300 kHz	
Capacitance	1%	1 nF to 10,000 μF	
Diode, continuity	Yes		
Math functions	Null, dB, dBm, Min/Max/Avg, Limit, Hold		
<b>Power supply functions</b>			
Output ratings	30 V/1 A, 8 V/3 A		
Transient response	300 ms		
	<b>Voltage</b>	<b>Current</b>	
Regulation	Load	0.01% + 3 mV	0.03% + 0.3 mA
	Line	3 mV	1.5 mA
Ripple and noise	< 2 mVrms; < 30 mVpp		< 1 mArms
Front panel resolution	1 mV		0.1 mA
Programming	Accuracy	0.05% + 5 mV	0.15% + 3 mA
	Resolution	1 mV	0.1 mA
Readback	Accuracy	0.05% + 5 mV	0.15% + 3 mA
	Resolution	1 mV	0.1 mA
<b>General</b>			
Security	Kensington lock slot		
Connectivity	USB 2.0 (TMC-488.2), GPIB		

## 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



U8201A combo test lead kit



E3600A-100 test lead kit



11059A kelvin probe set and 11062A kelvin clip set

## Recommended service options

Additional two years of Return-to-Agilent warranty  
 Additional two years of Return-to-Agilent calibrations  
 For more information go to  
[www.agilent.com/find/removealldoubt](http://www.agilent.com/find/removealldoubt)

