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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U3606B

Agilent / Keysight U3606B Multimeter DC Power Supply The Keysight (Agilent) U3606B combines a 120000-count digital multimeter with a 30 W dual-range DC power supply in one instrument. OEM U3606A/B datasheets list basic DCV accuracy to 0.025 percent and supply ranges 30 V/1 A, 100 mA/30 V, 8 V/3 A, and 1000 mV/3 A on theBmodel. Source-and-measure bench work, multi-level DC bias with auto ramp/scan, digital circuit troubleshooting with square-wave output, and simultaneous voltage/current measurement. The Keysight (Agilent) U3606B combines a 120000-count digital multimeter with a 30 W dual-range DC power supply in one instrument. OEM U3606A/B datasheets list basic DCV accuracy to 0.025 percent and supply ranges 30 V/1 A, 100 mA/30 V, 8 V/3 A, and 1000 mV/3 A on theBmodel. Source-and-measure bench work, multi-level DC bias with auto ramp/scan, digital circuit troubleshooting with square-wave output, and simultaneous voltage/current measurement. Four DC supply range combinations on U3606B True RMS AC Voltage Accuracy: 0.2 percent



MODEL

**Agilent / Keysight
U3606B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U3606B

LISTING

<https://aumictechlabs.com/products/u3606b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight U3606B is a benchtop instrument combining a 5.5-digit digital multimeter with a 30 W DC power supply in a single compact unit. It delivers integrated measurement and power delivery capabilities - sourcing DC voltage while simultaneously measuring voltage, current,

resistance, and ten additional parameters. This two-in-one architecture eliminates bench clutter, reduces interconnect complexity, and accelerates troubleshooting in development, education, and service environments where space efficiency matters.

Technical Specifications

Digital Multimeter

Resolution: 5.5 digits, 120,000 counts

DC voltage accuracy: Up to 0.025% basic accuracy

Voltage measurement range: 19.9999 mV to 1000 V

Current measurement ranges: 10.0000 mA, 100.000 mA, 1.00000 A, 3.0000 A

Resistance ranges: 100 m Ω to 1000 Ω (4-wire mode); low-resistance resolution to 0.001 m Ω

10 measurement functions: DC voltage, AC voltage, DC current, AC current, 2-wire/4-wire resistance, capacitance, frequency, diode test, continuity

8 math functions

built-in DC Power Supply

Output power: 30 W maximum

Output configurations: 30 V / 1 A, 100 mA / 30 V, 8 V / 3 A, 1000 mV / 3 A

Line and load regulation: Up to 0.01% + 3 mV

Over-voltage and over-current protection

Ramp and scan functions: Programmable up to 105% full scale

Square-wave generator: Frequencies to 4.8 kHz with variable duty cycle and amplitude

Remote sensing supported

Key Features

USB 2.0 and GPIB (IEEE-488) interfaces for local and remote operation

SCPI-compatible command set

Compact, lightweight design with Kensington lock slot

Universal AC input: 100 V–240 V, 45 Hz–66 Hz

Safety class I with protective earth terminal

Typical Applications

DUT bias and parametric testing, component characterization, power-limited device development, educational laboratory work, field service and repair.

Compatibility & Integration

USB 2.0 Type-A to Type-B connectivity and GPIB support enable integration into automated test systems and direct PC control via Keysight IO Library Suite. Standard SCPI command syntax simplifies programming and interoperability.

U3606B Characteristics / Specifications

PARAMETER	VALUE
DMM Resolution	120000 counts
DC Voltage Basic Accuracy	0.025 percent
DC Voltage Ranges	19.9999 mV to 1000 V
True RMS AC Voltage Accuracy	0.2 percent
AC Voltage Ranges	100 mV to 750 V
DC Current Accuracy	0.05 percent
DC Current Ranges	10 mA to 3 A
True RMS AC Current Accuracy	0.5 percent
AC Current Ranges	10 mA to 3 A 2-Wire Resistance Accuracy: 0.05 percent 2-Wire Resistance Ranges: 100 ohm to 100 Mohm 4-Wire Resistance Accuracy U3606B: 0.09 percent 4-Wire Resistance Ranges U3606B: 100 mohm to 1000 ohm
Frequency Accuracy	0.02 percent
Frequency Range	2 Hz to 300 kHz
Capacitance Accuracy	1.0 percent
Capacitance Ranges	1 nF to 10000 uF
Supply Ranges	30 V/1 A; 100 mA/30 V; 8 V/3 A; 1000 mV/3 A
Supply Load Regulation Voltage	0.01 percent + 3 mV
Supply Load Regulation Current	0.03 percent + 0.3 mA
Supply Programming Accuracy Voltage	0.05 percent + 5 mV
Supply Programming Accuracy Current	0.15 percent + 3 mA
Supply Ripple Voltage	less than 2 mVrms; less than 30 mVpp
Connectivity	USB 2.0 and GPIB
Square Wave Output Maximum	4.8 kHz

U3606B Specifications

PARAMETER	VALUE
Agilent / Keysight U3606B Multimeter DC Power Supply	Overview
Key Features	120000 count DMM plus 30 W DC supply
Technical Specifications	DMM Resolution: 120000 counts
Notes	From Keysight/Agilent U3606A and U3606B Multimeter DC Power Supply datasheet feature and specification tables for U3606B.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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PARAMETER	VALUE
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AC Voltage Ranges	100 mV to 750 V
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DC Current Ranges	10 mA to 3 A
True RMS AC Current Accuracy	0.5 percent
AC Current Ranges	10 mA to 3 A
2-Wire Resistance Accuracy: 0.05 percent	
2-Wire Resistance Ranges: 100 ohm to 100 Mohm	
4-Wire Resistance Accuracy U3606B: 0.09 percent	
4-Wire Resistance Ranges U3606B: 100 mohm to 1000 ohm	
Specifications	
PARAMETER	VALUE
Frequency Accuracy	0.02 percent
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Notes

From Keysight/Agilent U3606A and U3606B Multimeter|DC Power Supply datasheet feature and specification tables for U3606B.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.