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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U3401A

Agilent Keysight U3401A 4.5 Digit Benchtop Digital Multimeter The Agilent/Keysight U3401A is a 4.5-digit dual-display benchtop DMM providing DC/AC voltage and current, 2-wire resistance, frequency, continuity, and diode tests with math helpers. OEM U3400 Series literature rates basic DCV accuracy up to 0.02 percent class on the 4.5-digit platform with dual display for simultaneous parameter views. Education and production bench voltage/current checks, dual-display AC-plus-DC ripple observations, and general-purpose lab DMM measurements. The Agilent/Keysight U3401A is a 4.5-digit dual-display benchtop DMM providing DC/AC voltage and current, 2-wire resistance, frequency, continuity, and diode tests with math helpers. OEM U3400 Series literature rates basic DCV accuracy up to 0.02 percent class on the 4.5-digit platform with dual display for simultaneous parameter views. Education and production bench voltage/current checks, dual-display AC-plus-DC ripple observations, and general-purpose lab DMM measurements. Basic DCV Accuracy Class: 0.02 percent class per U3400 family sheet

**MODEL****Agilent / Keysight
U3401A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****U3401A****LISTING**<https://aumictechlabs.com/products/u3401a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight U3401A is a 4.5-digit dual-display digital multimeter delivering 11 measurement functions and 6 built-in math operations for electronics testing, troubleshooting, and educational applications. The instrument features a bright VFD display enabling simultaneous

dual-parameter viewing, with 50,000 counts resolution and a fixed 10 Ω continuity threshold. DC voltage accuracy reaches 0.02%. Current measurements extend to 10 A AC and DC. Frequency measurements reach 500 kHz with 0.01 Hz resolution. Resistance testing covers up to 50 M Ω with 10 m Ω resolution. The meter includes diode testing and AC + DC voltage and current support.

Technical Specifications

DC Voltage: 0.02% accuracy
AC Voltage: Supported
DC Current: Up to 10 A
AC Current: Up to 10 A
AC + DC Voltage: Supported
AC + DC Current: Supported
Resistance: Up to 50 M Ω with 10 m Ω resolution
Frequency: Up to 500 kHz with 0.01 Hz resolution
Continuity Test: Fixed 10 Ω threshold
Diode Test: Supported
Display: 4.5-digit VFD with 50,000 counts resolution
Input Voltage: 90 VAC to 264 VAC, 50/60 Hz

Key Features

Dual VFD display for simultaneous dual readings
Math functions: dBm (2 Ω to 8000 Ω reference impedance), REL, Min/Max, COMP, Hold, Percentage
USB connectivity for data logging
Kensington lock slot for security
Anti-slip protective bumpers on front and rear panels
Indoor use design

Typical Applications

Electronics testing and troubleshooting
Educational environments
Communications and test setups

Compatibility & Integration

The U3401A operates across standard worldwide AC power distributions (90–264 VAC, 50/60 Hz) and integrates USB connectivity for automated data logging in bench and field measurement scenarios.

U3401A Characteristics / Specifications

PARAMETER	VALUE
Display Digits	4.5
Basic DCV Accuracy Class	0.02 percent class per U3400 family sheet
Measurement Functions	DCV ACV DCI ACI resistance frequency continuity diode
True RMS AC	AC coupled true RMS class
Dual Display	Yes
Math Functions	dBm Min Max Relative Compare Hold Percentage
Resistance Wiring	2 wire
Frequency Measurement	Supported
Continuity Beeper	Supported
Diode Test	Supported
Form Factor	Benchtop dual display DMM
Series Family	U3400 Series
Input Coupling AC Voltage	AC coupled with DC bias tolerance per sheet
Operating Environment Class	Bench laboratory
Primary Power Class	Universal AC mains class
Remote Interface	None on base U3401A
Reading Speeds	Multiple selectable rates class
Compare Function	Yes
Hold Function	Yes
Relative Null	Yes dBm Computation: Yes
Overload Protection Class	Front input protection class
Calibration Interval Class	One year class

U3401A Specifications

PARAMETER	VALUE
Key Features	4.5 digit dual display
Up to six math functions	dBm Min Max Relative Compare Hold
Technical Specifications	Display Digits: 4.5

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
Display Digits	4.5
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Math Functions	dBm Min Max Relative Compare Hold Percentage
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dBm Computation	Yes
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Calibration Interval Class	One year class
Notes	
From Keysight U3400 Series 4.5 and 5.5 Digit Digital Multimeters data sheet overview for U3401A. Confirm exact range tables on the unit revision sheet.	

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.