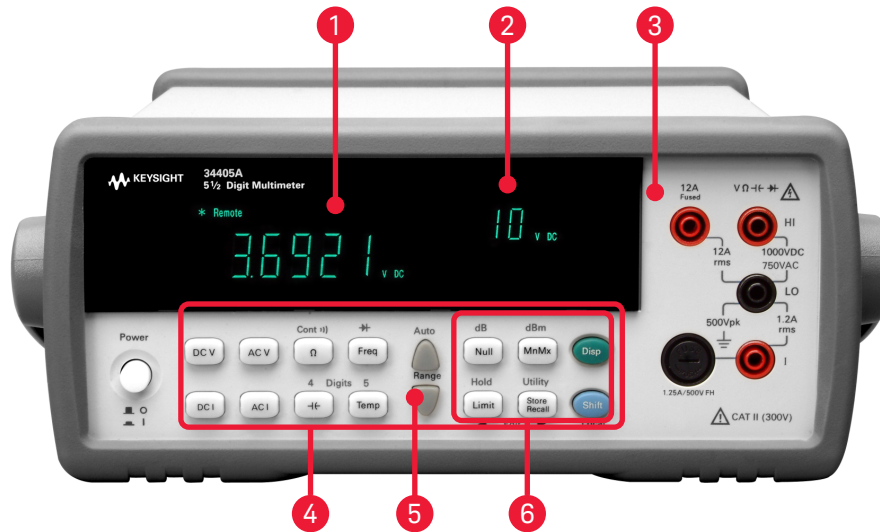


## Product Fact Sheet

# Keysight 34405A Digital Multimeter

Affordable yet feature-rich, the Keysight Technologies, Inc. 34405A comes with true capability and reliability for your demanding test and measurement applications across a broad range of industries – be it R&D, design and validation, manufacturing or education.



1. 120,000 counts resolution and high DC voltage accuracy of 0.025% enables you to view down to the smallest reading and identify anomalies in your signals easily.
2. 5.5 digit dual display increases your productivity and throughput in troubleshooting.
3. 12 A current range lets you measure over broad ranges accurately.
4. 16 built-in measurement functions, including temperature and capacitance gives you superior value.
5. Up-Down keys allows you to select the desired measurement range. Just press Shift + Auto key to switch measurement range automatically.
6. 6 built-in math functions (Null, dBm, MinMax, Limit and Hold) lets you perform measurements easily without need for manual calculations.

## Feature-rich DMM with unbeatable values

Comes with Keysight IO Library Suite, DMM Intuilink connectivity software, IVI-COM and LabVIEW<sup>1</sup>



USB 2.0 (TMC-488.2 compliant) makes the 34405A hotswappable and auto-detectable, saving you setup and configuration time.



PC-connect capability allows you to remotely control the instrument with industry-standard SCPI commands.

1. LabVIEW is a registered trademark of National Instruments Corporation.

## Specifications <sup>2</sup>

Part	Description
<b>Display</b>	
	VFD
<b>Resolution</b>	
	5.5 digits
<b>Operating specifications</b>	
DCV, DCI	19 reading/s
ACV, ACI	1 reading/s
Frequency	1 reading/s
<b>Continuity/diode test</b>	
	Yes
<b>Temperature measurement range</b>	
	-80 °C to 150 °C
<b>Capacitance measurement range</b>	
	1 nF to 10,000 µF
<b>Math functions</b>	
Null	Yes
Hold	Yes
Min/Max/Average	Yes
dB/dBm	Yes
Limit test	Yes
<b>Remote control</b>	
Interface	USB 2.0 (TMC-488.2)
Programming language	SCPI, IEEE-488.1, IEEE-488.2
Software	Intuilink, Keysight IO Library Suite
Drivers	LabVIEW <sup>1</sup> , IVI-COM
<b>General</b>	
Weight	3.75 kg
Size	103.8 mm x 261.1 mm x 303.2 mm
Safety	Certified by CSA for IEC/EN/CSA/UL61010-1 2nd Edition CAT I 1000 V, CAT II 300 V
Warranty	One year

## Specifications <sup>2</sup> (continued)

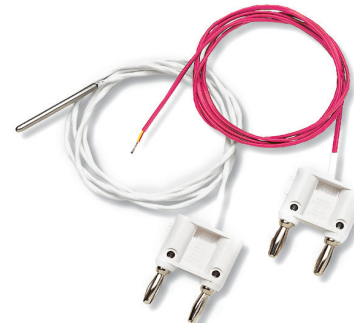
Part	Description	
<b>DC description</b>	<b>Range</b>	<b>Accuracy</b>
DCV	100 mV to 1000 V	0.025%
DCI	10 mA to 10 A	0.05%
Resistance	100 Ω to 100 MΩ	0.05%
<b>AC specifications</b>	<b>Range</b>	<b>Accuracy</b>
True RMS ACV	100 mV to 750 V	0.2%
True RMS ACI	10 mA to 10 A	0.5%
Frequency	300 kHz	0.02%

1. LabVIEW is a registered trademark of National Instruments Corporation.
2. At 0 °C to 50 °C unless otherwise specified.

## The 34405A DMM comes with:

- Test lead kit
- Test report
- Power cord
- USB interface cable
- Quick start guide
- Product reference CD-ROM
- Agilent IO library suite CD-ROM

## Optional accessories



E2308A thermistor probe



34133A precision electronics test leads



34330A 30A current shunt

## Measurement automation quick and easy

Whatever instrument you're programming - a power supply, power meter or data acquisition device, whether distributed or local - Keysight VEE graphical language software and GPIB, USB and instrument control products provide you the ease and flexibility to set up and automate the way you want for your application need. Make measurements quickly, easily, affordably - today.

[www.keysight.com/find/IO](http://www.keysight.com/find/IO)  
[www.keysight.com/find/VEE](http://www.keysight.com/find/VEE)

### Three-Year Warranty



[www.keysight.com/find/ThreeYearWarranty](http://www.keysight.com/find/ThreeYearWarranty)

Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.

### Keysight Assurance Plans



[www.keysight.com/find/AssurancePlans](http://www.keysight.com/find/AssurancePlans)

Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.