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• HEATHROW







## Agilent 34401A Multimeter

## Uncompromising Performance for Benchtop and System Testing

Product Overview



- Measure up to 1000 volts with  $6^{1/2}$  digits resolution
- 0.0015% basic dcV accuracy (24 hour)
- 0.06% basic acV accuracy (1 year)
- 3Hz to 300kHz ac bandwidth
- 1000 readings/sec. direct to GPIB

#### **Superior performance**

The Agilent Technologies 34401A multimeter gives you the performance you need for fast, accurate bench and system testing. The 34401A provides a combination of resolution, accuracy and speed that rivals DMMs costing many times more.  $6^{1/2}$ -digits of resolution, 0.0015% basic 24-hr dcV accuracy and 1,000 readings/sec direct to GPIB assure you of results that are accurate, fast, and repeatable.

#### Use it on your benchtop

The 34401A was designed with your bench needs in mind. Functions commonly associated with bench operation, like continuity and diode test, are built in. A Null feature allows you to remove lead resistance and other fixed offsets in your measurements. Other capabilities like min/max/avg readouts and direct dB and dBm measurements make checkout with the 34401A faster and easier. The 34401A gives you the ability to store up to 512 readings in internal memory. For trouble-shooting, a reading hold feature lets you concentrate on placing your test leads without having to constantly glance at the display.

#### Use it for systems testing

For systems use, the 34401A gives you faster bus throughput than any other DMM in its class. The 34401A can send up to 1,000 readings/sec directly across GPIB in user-friendly ASCII format.

You also get both GPIB and RS-232 interfaces as standard features. Voltmeter Complete and External Trigger signals are provided so you can synchronize to other instruments in your test system. In addition, a TTL output indicates Pass/Fail results when limit testing is used.

To ensure both forward and backward compatibility, the 34401A includes three command languages (SCPI, Agilent 3478A and Fluke 8840A /42A), so you don't have to rewrite your existing test software. An optional rack mount kit is available.

#### Easy to use

Commonly accessed attributes, such as functions, ranges, and resolution are selected with a single button press.

Advanced features are available using menu functions that let you optimize the 34401A for your applications.

The included Agilent IntuiLink software allows you to put your captured data to work easily, using PC applications such as Microsoft Excel® or Word® to analyze, interpret, display, print, and document the data you get from the 34401A. You can specify the meter setup and take a single reading or log data to the Excel spreadsheet in specified time intervals. Programmers can use ActiveX components to control the DMM using SCPI commands. To find out more about IntuiLink, visit **www.agilent.com/find/intuilink** 

The 34401A can also be used in conjunction with the 34812A BenchLink Meter software. This Windows-based program lets you configure and initiate measurements from your computer, and transfer results from your test instrument to your PC.

#### 3-year warranty

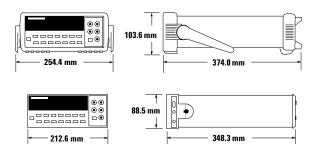
With your 34401A, you get full documentation, a high-quality test lead set, calibration certificate with test data, and a 3-year warranty, all for one low price.



## Agilent Technologies

Function	Range <sup>(3)</sup>	Frequency, etc.	24 Hour <sup>[2]</sup> 23°C ± 1°C	90 Day 23°C ± 5°C	1 Year 23°C ± 5°C	Temperature Coefficient 0°C – 18°C 28°C – 55°C
dc Voltage	100.0000 mV 1.000000 V <b>10.00000 V</b> 100.0000 V 1000.000 V		0.0030 + 0.0030 0.0020 + 0.0006 0.0015 + 0.0004 0.0020 + 0.0006 0.0020 + 0.0006	0.0040 + 0.0035 0.0030 + 0.0007 0.0020 + 0.0005 0.0035 + 0.0006 0.0035 + 0.0010	0.0050 + 0.0035 0.0040 + 0.0007 0.0035 + 0.0005 0.0045 + 0.0006 0.0045 + 0.0010	0.0005 + 0.0005 0.0005 + 0.0001 0.0005 + 0.0001 0.0005 + 0.0001 0.0005 + 0.0001
True rms ac Voltage <sup>[4]</sup>	100.0000 mV	3 Hz - 5 Hz 5 Hz - 10 Hz 10 Hz - 20 kHz 20 kHz - 50 kHz 50 kHz - 100 kHz 100 kHz - 300 kHz <sup>[6]</sup>	$\begin{array}{c} 1.00 + 0.03 \\ 0.35 + 0.03 \\ 0.04 + 0.03 \\ 0.10 + 0.05 \\ 0.55 + 0.08 \\ 4.00 + 0.50 \end{array}$	$\begin{array}{c} 1.00 + 0.04 \\ 0.35 + 0.04 \\ 0.05 + 0.04 \\ 0.11 + 0.05 \\ 0.60 + 0.08 \\ 4.00 + 0.50 \end{array}$	$\begin{array}{c} 1.00 + 0.04 \\ 0.35 + 0.04 \\ 0.06 + 0.04 \\ 0.12 + 0.04 \\ 0.60 + 0.08 \\ 4.00 + 0.50 \end{array}$	$\begin{array}{c} 0.100 + 0.004 \\ 0.035 + 0.004 \\ 0.005 + 0.004 \\ 0.011 + 0.005 \\ 0.060 + 0.008 \\ 0.20 + 0.02 \end{array}$
	1.000000 V to 750.000 V	3 Hz - 5 Hz 5 Hz - 10 Hz <b>10 Hz - 20 kHz</b> 20 kHz - 50 kHz 50 kHz - 100 kHz <sup>[5]</sup> 100 kHz - 300 kHz <sup>[6]</sup>	$\begin{array}{c} 1.00 + 0.02 \\ 0.35 + 0.02 \\ 0.04 + 0.02 \\ 0.10 + 0.04 \\ 0.55 + 0.08 \\ 4.00 + 0.50 \end{array}$	$\begin{array}{c} 1.00 + 0.03 \\ 0.35 + 0.03 \\ \textbf{0.05 + 0.03} \\ 0.11 + 0.05 \\ 0.60 + 0.08 \\ 4.00 + 0.50 \end{array}$	$\begin{array}{c} 1.00 + 0.03 \\ 0.35 + 0.03 \\ \textbf{0.06} + \textbf{0.03} \\ 0.12 + 0.04 \\ 0.60 + 0.08 \\ 4.00 + 0.50 \end{array}$	0.100 + 0.003 0.035 + 0.003 <b>0.005 + 0.003</b> 0.011 + 0.005 0.060 + 0.008 0.20 + 0.02
Resistance <sup>17)</sup>	100.0000 Ω 1.000000 kΩ <b>10.00000 k</b> Ω 100.0000 kΩ 1.000000 MΩ 10.00000 MΩ 100.0000 MΩ	1 mA Current Source 1 mA 100 μA 10 μA 5.0 μA 500 nA 500 nA    10MΩ	$\begin{array}{c} 0.0030 + 0.0030\\ 0.0020 + 0.0005\\ \textbf{0.0020} + \textbf{0.0005}\\ 0.0020 + 0.0005\\ 0.002 + 0.0015\\ 0.015 + 0.001\\ 0.300 + 0.010\\ \end{array}$	$\begin{array}{c} 0.008 + 0.004 \\ 0.008 + 0.001 \\ \hline 0.008 + 0.001 \\ 0.008 + 0.001 \\ 0.008 + 0.001 \\ 0.020 + 0.001 \\ 0.800 + 0.010 \end{array}$	$\begin{array}{c} 0.010 + 0.004 \\ 0.010 + 0.001 \\ \hline 0.010 + 0.001 \\ 0.010 + 0.001 \\ 0.010 + 0.001 \\ 0.040 + 0.001 \\ 0.800 + 0.010 \end{array}$	0.0006 + 0.0005 0.0006 + 0.0001 0.0006 + 0.0001 0.0006 + 0.0001 0.0010 + 0.0002 0.0030 + 0.0004 0.1500 + 0.0002
dc Current	10.00000 mA <b>100.0000 mA</b> 1.000000 A 3.00000 A	<0.1 V Burden Voltage <0.6 V <1 V <2 V	0.005 + 0.010 0.010 + 0.004 0.050 + 0.006 0.100 + 0.020	0.030 + 0.020 0.030 + 0.005 0.080 + 0.010 0.120 + 0.020	0.050 + 0.020 0.050 + 0.005 0.100 + 0.010 0.120 + 0.020	0.002 + 0.0020 0.002 + 0.0005 0.005 + 0.0010 0.005 + 0.0020
True rms ac Current <sup>[4]</sup>	1.000000 A	3 Hz - 5 Hz 5 Hz - 10 Hz <b>10 Hz - 5 kHz</b>	1.00 + 0.04 0.30 + 0.04 <b>0.10 + 0.04</b>	1.00 + 0.04 0.30 + 0.04 <b>0.10 + 0.04</b>	1.00 + 0.04 0.30 + 0.04 <b>0.10 + 0.04</b>	0.100 + 0.006 0.035 + 0.006 <b>0.015 + 0.006</b>
	3.00000 A	3 Hz - 5 Hz 5 Hz - 10 Hz 10 Hz - 5 kHz	1.10 + 0.06 0.35 + 0.06 0.15 + 0.06	1.10 + 0.06 0.35 + 0.06 0.15 + 0.06	1.10 + 0.06 0.35 + 0.06 0.15 + 0.06	0.100 + 0.006 0.035 + 0.006 0.015 + 0.006
Frequency or Period <sup>[8]</sup>	100 mV to 750 V	3 Hz - 5 Hz 5 Hz - 10 Hz 10 Hz - 40 Hz <b>40 Hz - 300 kHz</b>	0.10 0.05 0.03 <b>0.006</b>	0.10 0.05 0.03 <b>0.01</b>	0.10 0.05 0.03 <b>0.01</b>	0.005 0.005 0.001 <b>0.001</b>
Continuity	1000.0Ω	1mA Test Current	0.002 + 0.010	0.008 + 0.020	0.010 + 0.020	0.001 + 0.002
Diode Test	1.0000V	1mA Test Current	0.002 + 0.010	0.008 + 0.020	0.010 + 0.020	0.001 + 0.002

#### Accuracy Specifications ± (% of reading + % of range)<sup>[1]</sup>



1 Specifications are for 1hr warm-up and 6½ digits, Slow ac filter.

2 Relative to calibration standards.

3 20% over range on all ranges except 1000Vdc and 750Vac ranges.

20% over range on all ranges except 1000Vdc and 750Vac ranges.
For sinewave input > 5% of range. For inputs from 1% to 5% of range and < 50kHz, add 0.1% of range additional error.</li>
750V range limited to 100 kHz or 8 x107 Volt-Hz.
Typically 30% of reading error at 1MHz.
Specifications are for 4- wire ohms function or 2-wire ohms using Math Null. Without Math Null, add 0.2 Ω additional error in 2-wire ohms function.
Input >100 mV. For 10 mV inputs multiply % of reading error x10.

#### Measurement Characteristics

#### dc Voltage

Measurement Method			
	Integrating Multi-slope		
	III A-D Converter		
A-D Linearity	0.0002% of reading +		
	0.0001 % of range		
Input Resistance			
0.1V, 1V,10 V ranges	Selectable 10 M $\Omega$ or >10,000 M $\Omega$		
100 V, 1000 V ranges	10 MΩ ± 1%		
Input Bias Current	< 30pA at 25° C		
Input Protection	1000 V all ranges		
dcV:dcV Ratio Accura	су		
	V <sub>input</sub> Accuracy +		
	V <sub>reference</sub> Accuracy		
True rms ac Voltage			
Measurement Method	ac coupled True rms –		
	measures the ac		
	component of the input		
	with up to 400 Vdc of		
	bias on any range.		
Crest Factor	Maximum of 5:1		
	at Full Scale		
Additional Crest Facto	or Errors (non-sinewave)		
	Crest Factor 1–2		
	0.05 % of reading		
	Crest Factor 2–3		
	0.1 h V/ of rooding		
	0.15 % of reading		
	Crest Factor 3–4		
	Crest Factor 3–4 0.30 % of reading		
Input Impedance	Crest Factor 3–4 0.30 % of reading Crest Factor 4–5		
Input Impedance	Crest Factor 3–4 0.30 % of reading Crest Factor 4–5 0.40 % of reading		
	$\begin{array}{l} \mbox{Crest Factor 3-4} \\ 0.30 \ \% \ \mbox{of reading} \\ \mbox{Crest Factor 4-5} \\ \hline 0.40 \ \% \ \mbox{of reading} \\ \hline 1 \ \mbox{M}\Omega \ \pm \ 2\% \ \mbox{in parallel} \end{array}$		
Input Protection	$\begin{array}{c} \mbox{Crest Factor 3-4} \\ 0.30 \ \% \ \mbox{of reading} \\ \mbox{Crest Factor 4-5} \\ 0.40 \ \% \ \mbox{of reading} \\ \hline 1 \ \mbox{M}\Omega \ \mbox{$\pm$} \ 2\% \ \mbox{in parallel} \\ \mbox{with 100 pF} \end{array}$		
Input Impedance Input Protection <b>Resistance</b> Measurement Method	$\begin{array}{c} \text{Crest Factor } 3-4\\ 0.30 \ \% \ \text{of reading}\\ \text{Crest Factor } 4-5\\ 0.40 \ \% \ \text{of reading}\\ 1 \ M\Omega \pm 2\% \ \text{in parallel}\\ \text{with } 100 \ \text{pF}\\ \hline 750 \ \text{Vrms all ranges}\\ \end{array}$		
Input Protection Resistance	$\begin{array}{c} \text{Crest Factor } 3-4\\ 0.30 \ \% \ \text{of reading}\\ \text{Crest Factor } 4-5\\ 0.40 \ \% \ \text{of reading}\\ 1 \ M\Omega \pm 2\% \ \text{in parallel}\\ \text{with } 100 \ \text{pF}\\ \hline 750 \ \text{Vrms all ranges}\\ \end{array}$		
Input Protection Resistance	$\begin{array}{c} \mbox{Crest Factor 3-4} \\ 0.30 \% \mbox{ of reading} \\ \mbox{Crest Factor 4-5} \\ 0.40 \% \mbox{ of reading} \\ \hline 1 \mbox{ M}\Omega \pm 2\% \mbox{ in parallel} \\ \mbox{with 100 pF} \\ \hline \hline 750 \mbox{Vrms all ranges} \\ \hline \\ \mbox{Selectable 4-wire or} \end{array}$		
Input Protection Resistance	$\begin{array}{c} \mbox{Crest Factor 3-4} \\ 0.30 \% \mbox{ of reading} \\ \mbox{Crest Factor 4-5} \\ 0.40 \% \mbox{ of reading} \\ \hline 1 \mbox{ M}\Omega \pm 2\% \mbox{ in parallel} \\ \mbox{with 100 pF} \\ \hline \hline 750 \mbox{Vrms all ranges} \\ \hline \\ \mbox{Selectable 4-wire or} \\ 2-wire \mbox{ Ohms.} \end{array}$		
Input Protection <b>Resistance</b> Measurement Method	Crest Factor 3–4 0.30 % of reading Crest Factor 4–5 0.40 % of reading 1 M $\Omega \pm 2\%$ in parallel with 100 pF 750Vrms all ranges Selectable 4-wire or 2-wire Ohms. Current source referenced to LO input. tance		
Input Protection <b>Resistance</b> Measurement Method	Crest Factor 3–4 0.30 % of reading Crest Factor 4–5 0.40 % of reading 1 M $\Omega \pm 2\%$ in parallel with 100 pF 750Vrms all ranges Selectable 4-wire or 2-wire Ohms. Current source referenced to LO input. tance 10% of range per lead		
Input Protection <b>Resistance</b> Measurement Method Maximum Lead Resis	Crest Factor 3–4 0.30 % of reading Crest Factor 4–5 0.40 % of reading 1 $M\Omega \pm 2\%$ in parallel with 100 pF 750Vrms all ranges Selectable 4-wire or 2-wire Ohms. Current source referenced to LO input. tance 10% of range per lead for 100 $\Omega$ and 1k $\Omega$		
Input Protection Resistance Measurement Method Maximum Lead Resis	Crest Factor 3–4 0.30 % of reading Crest Factor 4–5 0.40 % of reading 1 $M\Omega \pm 2\%$ in parallel with 100 pF 750Vrms all ranges Selectable 4-wire or 2-wire Ohms. Current source referenced to LO input. tance 10% of range per lead for 100 $\Omega$ and 1k $\Omega$ ranges. 1k $\Omega$ per lead		
Input Protection Resistance Measurement Method Maximum Lead Resis (4-wire)	Crest Factor 3–4 0.30 % of reading Crest Factor 4–5 0.40 % of reading 1 $M\Omega \pm 2\%$ in parallel with 100 pF 750Vrms all ranges Selectable 4-wire or 2-wire Ohms. Current source referenced to LO input. tance 10% of range per lead for 100 $\Omega$ and 1k $\Omega$ ranges. 1k $\Omega$ per lead on all other ranges.		
Input Protection Resistance Measurement Method Maximum Lead Resis (4-wire)	Crest Factor 3–4 0.30 % of reading Crest Factor 4–5 0.40 % of reading 1 $M\Omega \pm 2\%$ in parallel with 100 pF 750Vrms all ranges Selectable 4-wire or 2-wire Ohms. Current source referenced to LO input. tance 10% of range per lead for 100 $\Omega$ and 1k $\Omega$ ranges. 1k $\Omega$ per lead		
Input Protection Resistance Measurement Method Maximum Lead Resis	Crest Factor 3–4 0.30 % of reading Crest Factor 4–5 0.40 % of reading 1 $M\Omega \pm 2\%$ in parallel with 100 pF 750Vrms all ranges Selectable 4-wire or 2-wire Ohms. Current source referenced to LO input. tance 10% of range per lead for 100 $\Omega$ and 1k $\Omega$ ranges. 1k $\Omega$ per lead on all other ranges.		
Input Protection Resistance Measurement Method Maximum Lead Resis (4-wire) Input Protection	Crest Factor 3–4 0.30 % of reading Crest Factor 4–5 0.40 % of reading 1 $M\Omega \pm 2\%$ in parallel with 100 pF 750Vrms all ranges Selectable 4-wire or 2-wire Ohms. Current source referenced to LO input. tance 10% of range per lead for 100 $\Omega$ and 1k $\Omega$ ranges. 1k $\Omega$ per lead on all other ranges.		
Input Protection Resistance Measurement Method Maximum Lead Resis (4-wire) Input Protection dc Current	Crest Factor 3–4 0.30 % of reading Crest Factor 4–5 0.40 % of reading 1 $M\Omega \pm 2\%$ in parallel with 100 pF 750Vrms all ranges Selectable 4-wire or 2-wire Ohms. Current source referenced to LO input. tance 10% of range per lead for 100 $\Omega$ and 1k $\Omega$ ranges. 1k $\Omega$ per lead on all other ranges. 1000 V all ranges		
Input Protection Resistance Measurement Method Maximum Lead Resis (4-wire) Input Protection dc Current	Crest Factor 3–4 0.30 % of reading Crest Factor 4–5 0.40 % of reading 1 $M\Omega \pm 2\%$ in parallel with 100 pF 750Vrms all ranges Selectable 4-wire or 2-wire Ohms. Current source referenced to L0 input. tance 10% of range per lead for 100 $\Omega$ and 1k $\Omega$ ranges. 1k $\Omega$ per lead on all other ranges. 1000 V all ranges 5 $\Omega$ for 10 mA,100 mA; 0.1 $\Omega$ for 1 A, 3 A Externally accessible		
Input Protection Resistance Measurement Method Maximum Lead Resis (4-wire) Input Protection dc Current Shunt Resistance	Crest Factor 3–4 0.30 % of reading Crest Factor 4–5 0.40 % of reading 1 $M\Omega \pm 2\%$ in parallel with 100 pF 750Vrms all ranges Selectable 4-wire or 2-wire Ohms. Current source referenced to LO input. tance 10% of range per lead for 100 $\Omega$ and 1k $\Omega$ ranges. 1k $\Omega$ per lead on all other ranges. 1000 V all ranges 5 $\Omega$ for 10 mA,100 mA; 0.1 $\Omega$ for 1 A, 3 A		

 $1 \quad \text{For } 1 k \Omega \text{ unbalance in LO lead.}$ 

2 For power line frequency  $\pm$  0.1%.

3 For power line frequency  $\pm$  1% use 40dB or  $\pm$  3% use 30dB.

4 Reading speeds for 60Hz and (50Hz) operation.

5 Maximum useful limit with default settling delays defeated.

6 Speeds are for 4½ digits, Delay 0, Auto-zero and Display OFF.

True rms ac Current				
Measurement Method	Direct coupled to the			
	fuse and shunt.			
	ac coup	led True rms		
	measur			
	•	res the ac		
		ient only).		
Shunt Resistance	0.1 $\Omega$ for 1 A and			
	3 A rang	,		
Input Protection	Externally accessible 3 A 250 V Fuse			
	Internal 7 A 250 V Fuse			
		7 A 200 V 1 430		
Frequency and Period				
Measurement Method	Reciprocal counting			
Valtaria Danisti	technique			
Voltage Ranges	Same as ac Voltage			
Coto Timo	Function			
Gate Time	1 s, 100 ms, or 10 ms.			
Continuity / Diode				
Response Time	300 samples/s with			
	audible tone			
Continuity Threshold	Selectable from 1 $\Omega$ to			
	1000 Ω			
Measurement Noise	Rejectio	n 60 (50) Hz <sup>[1]</sup>		
dc CMRR	140 dB			
ac CMRR	70 dB			
Integration Time	Normal	Mode Rejection <sup>[2]</sup>		
100 plc / 1.67 s (2 s)	$60 \ dB^{[3]}$			
10 plc / 167 ms (200 r				
1 plc / 16.7 ms (20 ms	s)			
	60 dB			
<1 plc / 3 ms or 800 µ				
	0 dB			
Operating Characteri	stics <sup>[4]</sup>			
Function	Digits	Readings/s		
dcV, dcl, and	<b>6</b> ½	0.6 (0.5)		
Desistance	<b>6</b> ½	6 (5)		
nesistance		60 (60)		
nesistance	<b>5</b> ½	60 (50)		
nesistance	51/2	300		
Kesistance	5 ½ 4 ½	300 1000		
	5 ½ 4 ½ 6 ½	300 1000 0.15 Slow (3Hz		
	5 ½ 4 ½ 6 ½ 6 ½	300 1000 0.15 Slow (3Hz 1 Medium (20Hz)		
	5 ½ 4 ½ 6 ½ 6 ½ 6 ½ 6 ½	300 1000 0.15 Slow (3Hz 1 Medium (20Hz 10 Fast (200Hz		
	5 ½ 4½ 6½ 6½ 6½ 6½ 6½	300 1000 0.15 Slow (3Hz 1 Medium (20Hz 10 Fast (200Hz 50 <sup>(5)</sup>		
acV, acl Frequency or	5 ½ 4 ½ 6 ½ 6 ½ 6 ½ 6 ½ 6 ½ 6 ½	300 1000 0.15 Slow (3Hz 1 Medium (20Hz) 10 Fast (200Hz) 50 <sup>(5)</sup> 1		
acV, acl	5 ½ 4½ 6½ 6½ 6½ 6½ 6½	300 1000 0.15 Slow (3Hz 1 Medium (20Hz) 10 Fast (200Hz) 50 <sup>(5)</sup>		

#### System Speeds<sup>[6]</sup> 26/s to 50/s **Configuration Rates** Autorange Rate >30/s (dc Volts) ASCII readings to RS-232 55/s ASCII readings to GPIB 1000/s Maximum Internal Trig. Rate 1000/s Max. Ext. Trig. Rate to Memory 1000/s **Triggering and Memory Reading HOLD Sensitivity** 10%, 1%, 0.1%, or 0.01% of range Samples/ trigger 1 to 50,000 Trigger Delay 0 to 3600 s: 10 µs step size External Trigger Delay < 1 ms External Trigger Jitter < 500 µs Memory 512 readings Math Functions NULL, Min/Max/Average, dBm, dB, Limit Test (with TTL output) **Standard Programming Languages** SCPI (IEEE-488.2), Agilent 3478A, Fluke 8840A/42A Accessories Included Test Lead Kit with probe, alligator, and grabber attachments. Operating Manual, Service Manual, test report, and power cord. **General Specifications** 100 V/120 V/220 V/ **Power Supply** 240 V ±10% Power Line Frequency 45 Hz to 66 Hz and 360 Hz to 440 Hz Automatically sensed at power-on Power Consumption 25 VA peak (10W average) Operating Environment Full accuracy for 0° C to 55° C Full accuracy to 80% R.H. at 40° C Storage Environment - 40° C to 70° C Weight 3.6 kg (8.0 lbs) Safety Designed to CSA, UL-1244, IEC-348 **RFI and ESD** MIL-461C, FTZ 1046, FCC Vibration and Shock MIL-T-28800E, Type III,

Class 5 (Sine Only)

3 years

Warranty

### Ordering Information Agilent 34401A Multimeter

#### Accessories included

Test Lead Kit with probe, alligator, and grabber attachments, IntuiLink connectivity software, operating manual, service manual, calibration certificate, test report, and power cord.

#### Options

**Opt. 908** Rack Mount Kit\* (P/N 5062-3972)

Opt. 910 Extra manual set (English)

Opt. OBO DMM without manuals

**Opt. W50** Additional 2-year warranty (5-year total)

**Opt. 1BP** MIL-STD-45662A calibration with data

#### Manual options (please specify one)

ABA US English ABD German ABE Spanish ABF French ABJ Japanese ABZ Italian ABO Taiwan Chinese AB1 Korean AB2 Chinese AKT Russian

#### **Agilent Accessories**

11059A Kelvin Probe set **11060A** Surface Mount Device (SMD) test probes 11062A Kelvin clip set 34131 Hard Transit Case 34161A Accessory pouch 34171A Input terminal connector (sold in pairs) **34172A** Input calibration short (sold in pairs) **34330A** 30 A current shunt 34812A BenchLink Meter software E2308A 5K thermistor probe \*For racking two side-by-side, order both items below Lock link kit (P/N 5061-9694)

Flange kit (P/N 5063-9212)

#### Agilent Technologies' Test and Measurement Support, Services, and Assistance

Agilent Technologies aims to maximize the value you receive, while minimizing your risk and problems. We strive to ensure that you get the test and measurement capabilities you paid for and obtain the support you need. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Support is available for at least five years beyond the production life of the product. Two concepts underlie Agilent's overall support policy: "Our Promise" and "Your Advantage."

#### **Our Promise**

Our Promise means your Agilent test and measurement equipment will meet its advertised performance and functionality. When you are choosing new equipment, we will help you with product information, including realistic performance specifications and practical recommendations from experienced test engineers. When you use Agilent equipment, we can verify that it works properly, help with product operation, and provide basic measurement assistance for the use of specified capabilities, at no extra cost upon request. Many self-help tools are available.

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Your Advantage means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extra-cost upgrades, out-ofwarranty repairs, and on-site education and training, as well as design, system integration, project management, and other professional engineering services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.

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# Datasheet



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