



Agilent E2373A Handheld Multimeter

Data Sheet

Low-cost multimeter with the basic test capabilities you need

- dc and ac volts, dc and ac current, resistance, audible continuity, and diode test
- Auto or manual ranging
- Basic Vdc accuracy of 0.7%
- Maximum 1 kV dc, 750 V rms, 10 A

Basic handheld multimeter provides all-around testing

When low cost is crucial, the Agilent Technologies E2373A handheld multi-

meter is an ideal tool for troubleshooting and making portable basic measurements. This versatile multimeter measures dc and ac volts, dc and ac current, resistance, and provides diode test and audible continuity. With basic Vdc accuracy of 0.7 percent and a choice of auto or manual ranging, this low-cost meter is an excellent choice for measurements in the field or in the lab.

Easy to use

The 2373A features a large 3½ digit display (0.85 in./22 mm high LCD) as well as a trend-indicating analog bar graph that's great for observing peaks. Other features that make it easy to use include a convenient tilt stand and autoranging. The unit is powered by two AA batteries which typically last for 2,500 hours of use.



Display annunciators are included for all functions as well as for low battery indication, overload conditions, and range hold.

3-year warranty

The E2373A multimeter is warranted for a full three years. The unit comes with test leads, batteries, a spare fuse (0.5A/250V) and an operating manual.

General Specifications

Features

Large 0.85 in (22mm) display
 Autorange or Manual Range
 Continuity, and Diode function
 Long Battery life
 10A range

Display

3 1/2 digit display to 3200 counts
 33 segment bargraph with DC zero center.

Calibration

1 yr interval

Sampling, DCV

2 times per second,
 Bargraph 12/sec

Operating Temperature

0° C to 40° C (32° F to 104° F)
 20-80% RH, 0° C - 40° C

Storage Temperature

20-70% R.H. -20° C to 40° C
 and no condensation

Battery

2 x 1.5 V, AA size

Battery life (typical)

2500hrs

Size

3 in W x 6.5 in H x 1.3 in D
 76mm W x 164mm H x 33mm D

Weight

240 g approx.

Accessories supplied

1 pair test leads, multi language manual,
 batteries installed, 500 mA spare fuse

Warranty

3 years

Specifications

23° C ± 5 °C, <80% RH, accuracy ± (% of reading + number of digits)
Temperature Coefficient: specified accuracy x 0.1/° C (0-18° C, 28-40° C)

DC Voltage

Range	Resolution	Accuracy	Input Resistance	Maximum Input
300 mV	100 µV	0.5% + 2	>1000 MΩ	
4 mV	1 mV	0.7% + 1	11 MΩ	
40 V	10 mV	0.7% + 1	10 MΩ	
400V	100 mV	0.7% + 1	10 MΩ	
1000 V	1V	0.7% + 1	10 MΩ	

AC Voltage, average responding

Range	Resolution	Accuracy	Input Resistance	Max Input
3 V	1 mV	1.2% + 4	1 MΩ < 50 pF	± 1000 Vdc or 750 Vrms
30 V	10 mV	1.2% + 4	10 MΩ < 50 pF	
300 V	100 mV	1.2% + 4	10 MΩ < 50 pF	
750 V	1 V	1.2% + 4	10 MΩ < 50 pF	

Current, AC, DC

Range	Resolution	DC	AC 40-500 Hz	Burden Voltage	Maximum Input
30 mA	10 µA	1.0% + 2	2.0% + 5	<0.25V	0.5A; 500 mA/250 Volt fuse
300 mA	100 µA	1.5% + 2	2.0% + 5	<2.5V	0.5A; 500 mA/250 Volt fuse
10 A	10 mA			<0.6V	10A (unfused)

Resistance

Range	Resolution	Accuracy	Maximum Test Current	Test Voltage	Input Protection
300 Ω	100 mΩ	0.7% + 2	<0.7 mA		
3 kΩ	1 Ω	0.7% + 1	<130 µA		
30 kΩ	10 Ω	0.7% + 1	<13 µA	<1.3 V	250 Vrms
300 kΩ	100 Ω	0.7% + 1	<1.3 µA		
3 MΩ	1 kΩ	1.5% + 1	<130 nA		
30 MΩ	10 kΩ	3% + 1	<130 nA		

Diode Test

Test current: 0.6 mA nominal @ 0.6V, <3.3V

Display: 0-2V, 1 mV resolution

Accuracy: 3% + 2

Continuity (audible)

Test current: 0.8 mA nominal @ 0.6V, <1.3V

Display: 0-320 Ω,
0.1 Ω resolution, threshold <20 Ω

Ordering Information

E2373A Handheld Multimeter

Comes with alkaline batteries, spare fuse, operating manual and test leads.

Options

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

Accessories

11060A Surface Mount Device (SMD) test probes

E2304A handheld multimeter padded carrying case

E2305A 2 pairs spare test leads

E2306A deluxe test lead kit

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.

Your Advantage

"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-of-warranty repairs, and on-site education and training, as well as design, system integration, project management, and other professional 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.

By internet, phone, or fax, get assistance with all your test and measurement needs.

Online Assistance

www.agilent.com/find/assist

Phone or Fax

United States:
(tel) 1 800 452 4844

Canada:
(tel) 1 877 894 4414
(fax) (905) 206 4120

Europe:
(tel) (31 20) 547 2323
(fax) (31 20) 547 2390

Japan:
(tel) (81) 426 56 7832
(fax) (81) 426 56 7840

Latin America:
(tel) (305) 267 4245
(fax) (305) 267 4286

Australia:
(tel) 1 800 629 485
(fax) (61 3) 9272 0749

New Zealand:
(tel) 0 800 738 378
(fax) (64 4) 495 8950

Asia Pacific:
(tel) (852) 3197 7777
(fax) (852) 2506 9284

Product specifications and descriptions in this document subject to change without notice.

Copyright © 1998, 2000 Agilent Technologies
Printed in U.S.A. 5/00
5967-6368EN



Agilent Technologies

Innovating the HP Way