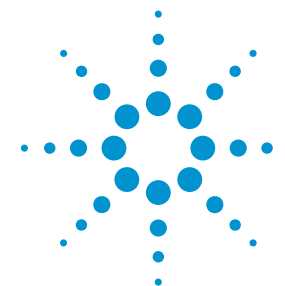


# Agilent U1253B OLED Handheld Digital Multimeter

## Imagine razor-sharp readings

With the world's first OLED handheld DMM, you won't have to squint to ensure that you're reading your measurements right. On the go or on the bench, you'll get crystal-clear viewing indoors, even in dark, off-angle situations. Even though the U1253B is loaded with high-performance features and easy-to-use functions, it's priced to be easy on your pocket, too.



1. OLED display with 160° viewing angle and 2000:1 contrast ratio for extra clear readings
2. SHIFT key and one-stop function keys for easy access
3. Broad range of measurement functions, including temperature and capacitance
4. Built-in battery charging for optimum capacity
5. 50,000 count dual display with true-RMS reading capability
6. 20 MHz frequency counter
7. Data logging to internal or external memory
8. Programmable square wave generator for stimulation of electronic digital circuits

Agilent handheld DMMs provide greater protection from:



**Overcurrent-or overvoltage-induced damages** with 30 kA high energy fuse and CAT III 1000 V/CAT IV 600 V overvoltage protection



**Arc flash hazards** with the specially designed 4-mm tips at no cost with every handheld

Our new HH DMMs in bright orange cases are a vivid reminder that you have an extra layer of protection between you and the unknown.

Turn over to learn more about Agilent's handheld DMM family

Meet the latest handheld digital multimeters in all-new orange!



U1241B

U1242B

U1251B

U1252B

U1253B



## Quick Fact Sheet

### Agilent Handheld Digital Multimeters – ten models and growing!

	U1241B	U1242B	U1251B	U1252B	U1253B
Basic features					
Display resolution	10,000 counts	10,000 counts	50,000 counts	50,000 counts	50,000 counts OLED display
Auto/manual ranging	√	√	√	√	√
Analog bargraph	√	√	√	√	√
Backlight	(2-intensities)	(2-intensities)	√	√	OLED
AC bandwidth	2 kHz	2 kHz	30 kHz	100 kHz	100 kHz
True RMS	AC	AC	AC	AC+DC	AC+DC
Measurements					
Voltage AC/DC	1000 V, 0.09%	1000 V, 0.09%	1000 V, 0.03%	1000 V, 0.025%	1000 V, 0.025%
Current AC/DC	10 A, 0.10%	10 A, 0.10%	10 A, 0.10%	10 A, 0.05%	10 A, 0.05%
Resistance	100 MΩ, 0.30%	100 MΩ, 0.30%	50 MΩ, 0.08%	500 MΩ, 0.05%	500 MΩ, 0.05%
Frequency	200 kHz, 0.03%	200 kHz, 0.03%	1 MHz, 0.02%	20 MHz, 0.02%	20 MHz, 0.02%
Capacitance	10 mF, 1.20%	10 mF, 1.20%	100 mF, 1.00%	100 mF, 1.00%	100 mF, 1.00%
Temperature	-40°C to +1000°C, 1.00%	-40°C to +1000°C, 1.00%	-200°C to +1372°C, 0.30%	-200°C to +1372°C, 0.30%	-200°C to +1372°C, 0.30%
Continuity with beeper	√	√	√	√	√
Diode test	√	√	√	√	√
Data management					
Min/Max recording	√	√	√	√	√
Display hold	√	–	√	√	√
Peak hold	–	–	√	√	√
Manual datalogging	–	√	√	√	√
Null	√	√	√	√	√
PC connectivity	–	–	IR-USB	IR-USB	IR-USB
Other features					
Harmonic ratio	–	√	–	–	–
Dual temperature	–	√	–	–	–
% scale of 4-20 mA	√	√	√	√	√
Square wave generator	–	–	–	√	√
Battery	4xAAA	4xAAA	9 V	7.2 V (Rechargeable)	7.2 V (Rechargeable)
Operating temperature	-10°C to 55°C	-10°C to 55°C	-20°C to 55°C	-20°C to 55°C	-20°C to 55°C
Closed case calibration	√	√	√	√	√

	U1241B	U1242B	U1251B	U1252B	U1253B
Safety and regulatory					
Over-voltage safety protection	CAT III 1000V, CAT IV 600V	CAT III 1000V, CAT IV 600V	CAT III 1000V, CAT IV 600V	CAT III 1000V, CAT IV 600V	CAT III 1000V, CAT IV 600V
CE, CSA compliance	√	√	√	√	√
Standard accessories					
	Standard test leads, certificate of calibration, test report, quick start guide	Standard test leads, certificate of calibration, test report, quick start guide	Standard test leads, alligator clips, certificate of calibration, test report, quick start guide	Standard test leads, alligator clips, battery charger, certificate of calibration, test report, quick start guide	Standard test leads, alligator clips, battery charger, certificate of calibration, test report, quick start guide

#### Best-selling Accessories



**U1173A**  
IR-to-USB cable



**U1174A**  
Soft carrying case



**U1180A**  
Thermocouple adapter/lead kit

#### Recommended service options

Additional two years of Return-to-Agilent warranty  
 Additional two years of Return-to-Agilent calibrations  
 For more information go to [www.agilent.com/find/removealldoubt](http://www.agilent.com/find/removealldoubt)

