Product Fact Sheet

Keysight U1280 Series Handheld Digital Multimeters

Trustworthy measurements in the palm of your hand!

Gain the confidence to achieve trustworthy measurements thanks to the precision, accuracy and repeatability of the Keysight U1280 Series handheld digital multimeters. Get the precise measurements you'd need with 60,000-count dual display and 0.025% accuracy. With the handheld meter logger software, swiftly capture individual measurements, generate reports and log trends with the touch of the button. Plus, with up to 800 hours of battery life, you can count on your DMM to perform when you need it.



1. 60,000-count dual display
2. Data logging capability
3. Low Pass Filter (LPF) [1]
4. Dust and water protection with IP 67 ratings
5. Vsense [1] red LED indicator for non-contact voltage detection
6. Frequency counter
7. Broad range of measurement functions: voltage, current, frequency, capacitance, resistance, continuity, diode test and temperature
8. Square wave output [1]
9. CAT IV 600 V / CAT III 1000 V overvoltage protection
10. Remote switch probe terminal

1. U1282A only

Key features

- Basic DCV accuracy of 0.025%
- Longer battery life up to 800 hours
- Tested to withstand a 3-meter (10-ft) drop
- With Keysight Remote Link solution, add on U1117A infrared (IR)- to-*Bluetooth* adapter (optional accessory) to get instant wireless *Bluetooth* connection
- 2 years calibration cycle



Utilize the U5404A remote switch probe to measure, save and send measurement readings over to Keysight handheld meter logger software with just a press of the button.



U1280 Series is compatible with Keysight Remote Link solution to safely measure, view and log test measurements.

KEYSIGHT TECHNOLOGIES

Unlocking Measurement Insights

Product description

Part number		U1281A	U1282A
Basic features			
Display resolution		60,000	60,000
Auto/manual ranging		Yes	Yes
Analog bar graph		Yes	Yes
Backlight		Yes	Yes
AC bandwidth		100 kHz	100 kHz
True RMS		AC + DC	AC + DC
Measurements			
Voltage DC	Range	60 mV to 1000 V	60 mV to 1000 V
	Accuracy	0.025% + 5 cnts	0.025% + 5 cnts
Voltage AC	Range	60 mV to 1000 V	60 mV to 1000 V
	Accuracy	0.3% + 25 cnts	0.3% + 25 cnts
Current DC	Range	600 µA to 10 A	600 µA to 10 A
	Accuracy	0.05% + 5 cnts	0.05% + 5 cnts
Current AC	Range	600 µA to 10 A	600 µA to 10 A
	Accuracy	0.6% + 25 cnts	0.6% + 25 cnts
Resistance	Range	600 Ω to 60 MΩ	60 Ω to 600 MΩ
	Accuracy	0.05% + 2 cnts	0.05% + 2 cnts
Frequency	Range	99.999 Hz to 9.9999 MHz	99.999 Hz to 9.9999 MHz
	Accuracy	0.005% + 3 cnts	0.005% + 3 cnts
Capacitance	Range	10 nF to 100 mF	10 nF to 100 mF
	Accuracy	1% + 5 cnts	1% + 5 cnts
Temperature (K-type thermocouple)	Range	–200 °C to 1372 °C	–200 °C to 1372 °C
	Accuracy	1% + 1 °C	1% + 1 °C
Continuity with beeper		Yes	Yes
Diode test		Yes	Yes
Data management			
Min/Max recording		Yes	Yes
Display hold		Yes	Yes
Auto hold		Yes	Yes
Null		Yes	Yes
PC-connectivity		Infrared (IR)-USB; IR-*Bluetooth* (optional with U1117A)	Infrared (IR)-USB; IR-*Bluetooth* (optional with U1117A)
Special features			
Square wave output			Yes
Vsense: Non-contact voltage detect			Yes
Frequency counter			Yes
Low pass filter			Yes

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Product description (Continued)

Part number	U1281A	U1282A
Safety and regulatory		
Over-voltage safety protection	CAT III 1000 V / CAT IV 600 V	CAT III 1000 V / CAT IV 600 V
EN/IEC 61010-2-030: 2010 compliance	Yes	Yes
EN/IEC 61010-1: 2010 compliance	Yes	Yes
General		
Operating temperature	–20 °C to 55 °C 0% to 80% R.H.	–20 °C to 55 °C 0% to 80% R.H.
Battery (included)	4 x 1.5 V AA	4 x 1.5 V AA
Battery life	800 hours	800 hours
Calibration	One year, or; Two years (with 1.5 times of one year specification)	One year, or; Two years (with 1.5 times of one year specification)
Dimensions (H x W x D)	218 x 96 x 59 mm	218 x 96 x 59 mm

Recommended accessories

Part number	Description
U5404	Remote switch probe for U1280 Series handheld digital multimeters
U1595A	Rugged carrying case for handheld digital multimeters
U1594A	Hard carrying case
U1171A	Magnetic hanging kit
U1176A	LED flash light

Standard shipped accessories

- Test leads (red and black)
- U1173B infrared (IR)-to-USB cable
- Four AAA batteries
- Quick start guide
- Certificate of calibration

Recommended software

Keysight handheld meter logger software. Download for FREE now, visit:
www.keysight.com/find/hhmeterlogger

For more information, go to:
www.keysight.com/find/U1282A

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