

Keysight U1270 Series Handheld Digital Multimeters

Retool your expectations in Keysight Technologies, Inc. U1270 Series handheld digital multimeters (DMMs)- our U1273A offers clear and distinct readings with an OLED display

Front panel

1. Peak detect records transients as fast as 250 μ s
2. Low Pass Filter (LPF) removes unwanted high frequency signals
3. OLED display for clear and distinct readings (only for U1273A)
4. Smart Ohm removes residual voltage of up to 1000 mV
5. Auto diode automatically determines diode polarity
6. Temperature measurement: J type T/C -210 $^{\circ}$ C to 1200 $^{\circ}$ C, K type T/C -200 $^{\circ}$ C to 1732 $^{\circ}$ C
7. AC + DC capability
8. Large knob for ease of use

Back panel

9. Probe holder
10. Slim, ergonomic design for better grip
11. IR-USB connectivity with optional IR-USB cable
12. Easy fuse and battery access from battery cover



Our new industrial DMM, the U1273A model, is re-invented with an OLED display that ensures crystal clear viewings - even in off-angle situations! The highly contrasted display ensures superb indoor viewing, even when performing measurement tasks in a poorly lit environment.

The ergonomically-built, water and dust resistant U1270 series provides useful functions such as Z_{LOW} , which eliminates stray voltages, and Smart Ohm that minimizes false readings from residual voltage induced by leakage current. All of this is designed into a case that fits your hand and ensures that you get the right readings at the first glance.

- Feature sets that meet traditional industrial requirements and improve productivity and safety
- Better grip
- Dust and water resistant casing (certified to IP 54)
- Both visual and audible continuity indication in noisy environments
- Easy access to fuse for simplified maintenance
- Easy connectivity to PC and internal memory for data logging
- CAT III 1000 V/CAT IV 600 V overvoltage protection

Product specifications

		U1271A	U1272A	U1273A
Basic features				
Display resolution		30,000	30,000	30,000
Auto/manual ranging		√	√	√
Analog bar graph		√	√	√
Backlight		√	√	–
AC bandwidth		20 kHz	100 kHz	100 kHz
True RMS		AC	AC + DC	AC + DC
Measurements				
Voltage DC	Range	300 mV to 1000 V	30 mV to 1000 V	30 mV to 1000 V
	Accuracy	0.05% + 2 cnts	0.05% + 2 cnts	0.05% + 2 cnts
Voltage AC	Range	300 mV to 1000 V	30 mV to 1000 V	30 mV to 1000 V
	Accuracy	0.7% + 20 cnts	0.6% + 20 cnts	0.6% + 20 cnts
	Bandwidth	45 Hz to 20 kHz	45 Hz to 100 kHz	45 Hz to 100 kHz
Current DC	Range	300 μA to 10 A	300 μA to 10 A	300 μA to 10 A
	Accuracy	0.2% + 5 cnts	0.2% + 5 cnts	0.2% + 5 cnts
Current AC	Range	300 μA to 10 A	300 μA to 10 A	300 μA to 10 A
	Accuracy	0.9% + 25 cnts	0.6% + 25 cnts	0.6% + 25 cnts
	Bandwidth	45 Hz to 2 kHz	45 Hz to 2 kHz	45 Hz to 2 kHz
Resistance	Range	300 Ω to 100 MΩ	30 Ω to 300 MΩ	30 Ω to 300 MΩ
	Accuracy	0.2% + 5 cnts	0.2% + 5 cnts	0.2% + 5 cnts
Frequency	Range	99.999 Hz to 999.99 kHz	99.999 Hz to 999.99 kHz	99.999 Hz to 999.99 kHz
	Accuracy	0.005% + 5 cnts	0.005% + 5 cnts	0.005% + 5 cnts
Capacitance	Range	10 nF to 10 mF	10 nF to 10 mF	10 nF to 10 mF
	Accuracy	1% + 2 cnts	1% + 2 cnts	1% + 2 cnts
Temperature	Range	K: -200 °C to 1372 °C	K: -200 °C to 1372 °C J: -210 °C to 1200 °C	K: -200 °C to 1372 °C J: -210 °C to 1200 °C
	Accuracy	1% + 1 °C	1% + 1 °C	1% + 1 °C
Continuity with beeper		√	√	√
Diode test		√	√	√

	U1271A	U1272A	U1273A
Data management			
Min/max recording	√	√	√
Display hold	√	√	√
Peak hold	√	√	√
Manual datalogging	200 points	10,000 points	10,000 points
Null	√	√	√
PC connectivity	IR-USB	IR-USB	IR-USB
% scale of 4-20 mA	√	√	√
Special features			
Beep + Visual alert	√	√	√
Low pass filter (LPF)	√	√	√
ZLOW, low impedance mode	–	√	√
Smart Ω	–	√	√
Qik-V	√	–	–
Safety and regulatory			
Over-voltage safety protection	CAT III 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V
EN/IEC 61010-1:2001 compliance	√	√	√
General			
Battery	4x AAA	4x AAA	4x AAA
Operating temperature	-20 °C to 55 °C, 0 to 80% R.H	-20 °C to 55 °C, 0 to 80% R.H	-20 °C to 55 °C, 0 to 80% R.H
Standard accessories	Standard test leads, test probes with 4-mm tips, K-type thermocouple and adapter, 4x AAA batteries, Certificate of Calibration, UK 6 (test report), Quick Start Guide	Standard test leads, test probes with 4-mm tips, K-type thermocouple and adapter, 4x AAA batteries, Certificate of Calibration, UK 6 (test report), Quick Start Guide	Standard test leads, test probes with 4-mm tips, K-type thermocouple and adapter, 4x AAA batteries, Certificate of Calibration, UK 6 (test report), Quick Start Guide

Recommended accessories



U1171A
Magnetic hanging kit



U1174A
Soft carrying case



U1176A
LED flashlight



U1173A
IR-USB cable



U1180A
Thermocouple adapter/lead kit

Standard shipped accessories

Standard test leads, test probes with 4-mm tips, K-type thermocouple and adaptor, 4 x AAA batteries, Certificate of Calibration, UK 6 (test report), Quick Start Guide

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