

## U1450A/60A Series insulation resistance testers

Accomplish more in a day's work with Keysight insulation resistance testers

- Insulation resistance test up to 260 GΩ
- Adjustable test voltages 50, 100, 250, 500, and 1,000 V; 10 V up to 1.1 kV on select models
- Simplify test report generation with a click of a button
- Certified to IP 67, drop proof up to 3 m (10 ft), CAT III 1000V and CAT IV 600V



	U1451A	U1452A	U1452AT	U1453A	U1461A
Display type	LCD			OLED	
Insulation resistance tester features					
Insulation test voltage range	250, 500, 1,000 V	50, 100, 250, 500, 1,000 V	50, 100 V	50, 100, 250, 500, 1,000 V	
Insulation resistance range	66 GΩ	260 GΩ	66 GΩ	260 GΩ	
Earth bond resistance measurement	60 to 60K Ω			6 to 60K Ω	
Timed, PI, DAR	Timed only	√	√	√	√
Adjustable insulation test voltages	—			10 to 1.1K V	
Live circuit test inhibit	30, 50, 75 V				
Remote testing and report generation <sup>1</sup>	√	√	√	√	√
Multimeter features	AC/DC voltage, auto AC/DC voltage identification <sup>2</sup> , resistance, continuity, capacitance		AC/DC voltage, auto AC/DC voltage identification <sup>2</sup> , resistance, continuity, capacitance, diode test		AC/DC voltage (V, mV), AC/DC current (μA, mA), auto AC/DC voltage and current identification <sup>2</sup> , resistance, continuity, capacitance, diode test, temperature, low pass filter (LPF), V <sub>sense</sub>

1. Requires Keysight Handheld Logger software for Windows PC and Keysight Insulation Tester App for iOS/Android.

2. Automatically identify the signal component (AC or DC) of an electrical source.

## U1600 Series handheld oscilloscopes

Maximum versatility for more rigorous troubleshooting

- 5.7-inch VGA TFT LCD display with indoor, outdoor, and night-vision viewing modes
- Two independent, isolated channels
- Up to 2 GSa/s sample rate and up to 2 Mpts deep memory to zoom in on critical details



	U1610A	U1620A
Oscilloscope channel count	2	2
Bandwidth	100 MHz	200 MHz
Maximum sampling rate	1 GSa/s interleaved, 500 MSa/s per channel	2 GSa/s interleaved, 1 GSa/s per channel
Maximum recording length	120 Kpts interleaved, 60 Kpts per channel	2 Mpts interleaved, 1 Mpts per channel
Internal scope storage	10 setups and waveforms can be saved and recalled internally	
Rise time	3.50 ns typical	1.75 ns typical
Additional features	Indoor, outdoor and night vision mode, built-in DMM, data logger capability, dual windows zoom	