



Key Selling Points

Battery Voltage Check

The IRT803 is a professionally featured insulation resistance tester that offers on-board battery voltage test to check instrument battery levels for quick diagnostics.

Insulation Range

Professional insulation ranges from 100 – 1000V to test pumps, compressors, fans, HVAC and refrigeration equipment for deterioration, faults and current leakage.

PI/DAR Testing

The IRT803 uses timed ratio tests to detect insulation resistance which include the polarization index (PI) and dielectric absorption rate (DAR). These tests help identify changes in current over a specific period of time, then display readings as a ratio.

Competitive Comparison

Brand	UEi	Fluke	Fluke
Part Number	IRT803	1577	1587
True RMS		•	•
CAT Rating	CATIV 600V/CATIII 1000V	CATIV 600V/CATIII 1000V	CATIV 600V/CATIII 1000V
DC Volt			
Range	600V	600mV to 1000V	600mV to 1000V
Accuracy	±(2% + 3 dgts)	±(0.2% + 2 dgts)	±(0.09% + 2 dgts) to ±(0.1% + 1 dgts)
Resolution	0.1V	0.1mV to 1V	0.1mV to 1 V
AC Volt			
Range	600V	600mV to 1000V	600mV to 1000V
Accuracy	±(2% + 3 dgts)	±(2% + 3 dgts)	50Hz to 60Hz: ±(1% + 3 dgts) to ±(2% + 3 dgts) 60Hz to 5000Hz: ±(2% + 3 dgts)
Resolution	0.1V	0.1mV to 1V	0.1mV to 1V
Earth-bond Resistance			
Range	20.00Ω to 20.00kΩ		
Accuracy	±(1.5% + 3 digits)		
Resolution	0.01Ω to 0.01kΩ		
Continuity			
Range	400.0Ω	1000Ω	1000Ω
Resolution	0.1Ω	1Ω	1Ω
Capacitance			
Range			1000nF to 9999μF
Accuracy			±(1.2% + 2 dgts) to ±(1.2% + 90 counts)
Resolution			1nF to 1μF




Further comparisons on the back

Download this competitive comparison here.

Competitive product functionality, features, accessories and pricing are based on public information available at time of publication and subject to change without notice. Competitive brands and images are property of their respective owners.





Brand	UEi	Fluke	Fluke
Part Number	IRT803	1577	1587
			
AC/DC Current			
Accuracy		AC 45Hz to 1000Hz: 400mA $\pm(2\% + 2 \text{ dgts})$ 60mA $\pm(2\% + 2 \text{ dgts})$ DC: 400mA $\pm(1\% + 2 \text{ dgts})$ 60mA $\pm(1\% + 2 \text{ dgts})$	AC 45Hz to 1000Hz: 400mA $\pm(1.5\% + 2 \text{ dgts})$ 60mA $\pm(1.5\% + 2 \text{ dgts})$ DC: 400mA $\pm(0.2\% + 2 \text{ dgts})$ 60mA $\pm(0.2\% + 2 \text{ dgts})$
Resolution		AC: 0.1mA to 0.01mA DC: 0.1mA to 0.01mA	AC: 0.1mA to 0.01mA DC: 0.1mA to 0.01mA
Temperature			
Range			-40° to 998°F (-40° to 537°C)
Accuracy			$\pm(1\% + 18 \text{ counts})$ °F ($\pm(1\% + 10 \text{ counts})$ °C)
Frequency			
Range			99.99Hz to 99.99kHz
Accuracy			$\pm(0.1\% + 1 \text{ dgt})$
Resolution			0.01Hz to 0.01kHz
Output Voltage	100V, 250V, 500V, 1000V	500V, 1000V	50V, 100V, 250V, 500V, 1000V
Diode test			•
Remote Probe	•	•	•
Lock test	•	•	•
PI/DAR	•		
Compare	•		
Backlight display	•	•	•
Worklight	•		
Fuse test	•	•	•
Low Pass Filter			•
Warranty	1 Year	3 Year	3 Year



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