



Key Selling Points

Insulation Range

The IRT807 offers a wider professional insulation ranges from 50 – 1000V to test pumps, compressors, fans, HVAC and refrigeration equipment for deterioration, faults and current leakage.

Full Function Multimeter

The IRT807 joins a digital insulation resistance tester and a True RMS multimeter to equip contractors with an advanced test instrument for both damage assessment and preventative maintenance.

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	IRT807	1577	1587
True RMS	•	•	•
CAT Rating	CATIV 600V/CATIII 1000V	CATIV 600V/CATIII 1000V	CATIV 600V/CATIII 1000V
DC Volt			
Range	400mV to 1000V	600mV to 1000V	600mV to 1000V
Accuracy	±(0.2% + 3 dgts) to ±(0.3% + 6 dgts)	±(0.2% + 2 dgts)	±(0.09% + 2 dgts) to ±(0.1% + 1 dgts)
Resolution	0.1mV to 1V	0.1mV to 1V	0.1mV to 1V
AC Volt			
Range	400mV to 1000V	600mV to 1000V	600mV to 1000V
Accuracy	±(1.0% + 5 dgts) to ±(2.0% = 3 dgts)	±(2% + 3 dgts)	50Hz to 60Hz: ±(1% + 3 dgts) to ±(2% + 3 dgts) 60Hz to 5000Hz: ±(2% + 3 dgts)
Resolution	0.1mV to 1V	0.1mV to 1V	0.1mV to 1V
Earth-bond Resistance			
Range	20.00Ω to 20.00kΩ		
Accuracy	±(1.5% + 3 dgts)		
Resolution	0.01Ω to 0.01kΩ		
Continuity			
Range	400.0Ω	1000Ω	1000Ω
Threshold	Approx. 40Ω	25Ω	25Ω
Resolution	0.1Ω	1Ω	1Ω
Capacitance			
Range	10.00nF to 10000µF		1000nF to 9999µF
Accuracy	±(2.5% + 5 dgts) to ±(3% + 5 dgts)		±(1.2% + 2 dgts) to ±(1.2% + 90 counts)
Resolution	0.01nF to 1µF		1nF to 1µF




Further comparisons on the back

Download this competitive comparison here.

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Brand	UEi	Fluke	Fluke
Part Number	IRT807	1577	1587
			
AC/DC Current			
Range	40mA to 400mA		
Accuracy	AC 45Hz to 1000Hz: $\pm(1.5\% + 5 \text{ dgts})$ DC: $\pm(0.5\% + 5 \text{ dgts})$	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	0.01mA to 0.1mA	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	-328° to 2462°F (-200° to 1350°C)		-40° to 998°F (-40° to 537°C)
Accuracy	$\pm(1.5\% + 3.6^\circ\text{F} (1.5\% + 2^\circ\text{C}))$ to $\pm(1.5\% + 3^\circ\text{F} (1.5\% + 2^\circ\text{C}))$		$\pm(1\% + 18 \text{ counts})$ °F ($\pm(1\% + 10 \text{ counts})$ °C)
Resolution	0.1°F (0.1°C) to 1°F (1°C)		
Frequency			
Range	99.99Hz to 99.99kHz		99.99Hz to 99.99kHz
Accuracy	$\pm(0.1\% + 3 \text{ dgts})$		$\pm(0.1\% + 1 \text{ dgts})$
Resolution	0.01Hz to 0.01kHz		0.01Hz to 0.01kHz
Output Voltage	50V, 100V, 250V, 500V, 1000V	500V, 1000V	50V, 100V, 250V, 500V, 1000V
Diode test	•		•
Remote Probe	•	•	•
Lock test	•	•	•
PI/DAR	•		
Compare			
Backlit display	•	•	•
Worklight	•		
Fuse test	•	•	•
Low Pass Filter	•		•
Warranty	1 Year	3 Year	3 Year



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