

# STEK IRT1000+



Insulation Tester & High Resolution Micro-ohm Meter with True RMS Multimeter



## Features

- IP65 Protection
- Rugged, utility hard case
- Auto power off to save battery power
- True-RMS Multimeter
- Insulation Tester, test voltages 125V, 250V, 500V, 1000V ; 0.001M $\Omega$  to 4000M $\Omega$
- Save both time and money with Automatic calculation of Polarization Index and Dielectric Absorption Ratio
- Auto discharge of capacitive voltage; Insulation test smoothing reading;
- Measurement of resistive and inductive materials
- 200 mA Continuity
- Micro-ohm Meter
- Cable length measurement (feet or meters)
- K-type thermocouple Temperature Measurement
- Slim probes designed with test button



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## Specification for STEK Insulation Tester IRT 1000+

Multimeter Functions				
Function	Max. Range	Max. Resolution	Basic Accuracy	
DC Voltage	1000V	0.1V	±(0.06% reading + 4digits)	
AC Voltage	1000V	0.1V	±(1.0% reading + 30digits)	
DC Current	10A	0.001A	±(1.0% reading + 3digits)	
AC Current	10A	0.001A	±(1.5% reading + 30digits)	
Resistance	40MΩ	0.0001MΩ	±(0.3% reading + 4digits)	
Frequency	40MHz	0.01MHz	±(0.1% reading + 1digits)	
Duty Cycle	0.1 to 99.9%	0.01%	±(1.2% reading + 2digits)	
Temperature	-50 to 1200°C	0.1°C	±(1.0% reading + 2.5°C)	
	-58 to 2192°F	0.1°F	±(1.0% reading + 4.5°F)	
4-20 m A	-25 to 125%	0.01%	±50digits	
Insulation Testing Functions				
Terminal Voltage	Range	Max. Resolution	Accuracy	Test Current
125V(0%~10%)	0.125~4000MΩ	0.001MΩ	±(2%+10)	1mA @ load125kΩ
250V(0%~10%)	0.250~4000MΩ	0.001MΩ	±(2%+10)	1mA @ load250kΩ
500V(0%~10%)	0.500~4000MΩ	0.001MΩ	±(2%+10)	1mA @ load1500kΩ
1000V(0%~0%)	1.000~4000MΩ	0.001MΩ	±(3%+10)	1mA @ load1MΩ
Terminal Voltage	Range	Max. Resolution	Accuracy	Test Current
Micro Ohm Testing Functions				
Resistance	60mΩ	1μΩ	±(0.25%+25μΩ)	10A
	600mΩ	10μΩ	±(0.25%+250μΩ)	1A
	6Ω	100μΩ	±(0.25%+2.5mΩ)	100mA
	60Ω	1mΩ	±(0.25%+25mΩ)	10mA
Engineering / Power / Accessories				
Ingress Protection	IP65 against Dust & Moisture			
IEC	EMC & LVD;EN: 61326;EN: 61010-1;EN: 61010-02-032;EN: 61010-02-033			
Safety	CAT III 1000V, CAT IV 600V measurement category			
Power	6 X 1.5V AAA Alkaline Batteries			
Weight	Weight: 631g			
Dimensions	Size(HxWxD): 217mm x 110mm x 48mm			
Accessories	Test leads (With Test Button), 6x1.5V"AAA" batteries, Type K temperature probe			



Test Leads with Insulation Test Button

