



DT-6505

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

The Insulation and Micro Ohm Multimeter combines a digital insulation tester with a full-featured, Micro Ohm Test, True RMS digital multimeter in a single, compact and handheld unit, which provides maximum versatility for both troubleshooting and preventative maintenance.



Features
Rugged, utility hard case
Auto power off to save battery power
True-RMS
CAT III 1000V, CAT IV 600V measurement category
Bluetooth interface
Complete with 4-wire cables with Kelvin clip connectors, test leads, rechargeable Li-Polymer battery, AC adapter/ charger & software.
Insulation Tester
Save both time and money with Automatic calculation of Polarization Index and Dielectric Absorption Ratio
Slim probes designed with test button
200 mA Continuity
Compare function (pass/fail) for fast repetitive tests
Insulation test voltages 125V, 250V, 500V, 1000V
Insulation test: 0.001MΩ to 4000MΩ
Auto discharge of capacitive voltage
Insulation test smoothing reading
K-type thermocouple
Micro-ohm Meter
4 ranges with 3 sub-ranges in each current range
Measurement of resistive and inductive materials
Auto or Manual ranging, 10A maximum test current
Cable length measurement (feet or meters)

Size(HxWxD): 217mm x 110mm x 48mm

Weight: 631g

Specifications			
Multimeter			
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 Tester					
Terminal Voltage	Range	Max. Resolution	Accuracy	Test Current	Short circuit current
125V(0%~10%)	0.125~4000MΩ	0.001MΩ	±(2%+10)	1mA @ load125kΩ	≤1mA
250V(0%~10%)	0.250~4000MΩ	0.001MΩ	±(2%+10)	1mA @ load250kΩ	≤1mA
500V(0%~10%)	0.500~4000MΩ	0.001MΩ	±(2%+10)	1mA @ load1500kΩ	≤1mA
1000V(0%~0%)	1.000~4000MΩ	0.001MΩ	±(3%+10)	1mA @ load1MΩ	≤1mA
Micro-ohm Meter					
Resistance	60mΩ	1μΩ	±(0.25%+25μΩ)	10A	
	600mΩ	10μΩ	±(0.25%+250μΩ)	1A	

	6Ω	100μΩ	±(0.25%+2.5 mΩ)	100mA
	60Ω	1mΩ	±(0.25%+25mΩ)	10mA

Accessories: Test leads, 6x1.5V“AAA” batteries, Type K temperature probe and Software, gift box with carrying case.