

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

- Insulation Tester
- High Resolution Micro-ohm Meter
- True RMS InfraRed Thermal Image Multimeter
- Built-in Thermal Imager design quickly identifies hot spots without contact

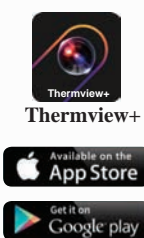
- Safety Conformance**
- EN61010-1 CAT IV 600V, CAT III 1000V
 - 1000V input protection on all ranges



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model DT-320BS
3000A AC Flexible clamp (optional)



- TFT color LCD display
- PC Calibration

- Insulation Tester
- High Resolution Micro-ohm Meter
- True RMS InfraRed Thermal Image Multimeter

6509 Professional Insulation Tester & High Resolution Micro-ohm Meter with True RMS InfraRed Thermal Image Multimeter design, providing fast A/D converting sampling time, high accuracy, with datalogging features. advanced system Platform permits smart multifunctions such as updating software on line, PC calibration etc.

Thermview+ software & cloud server support to transfer the measured data to the customer's smartphone for edit and storage.

Features

- Built-in Thermal Imager design quickly identifies hot spots without contact
- Large 240 x 320 3.5" TFT color 6000 counts LCD display
- Insulation test voltages 125V, 250V, 500V, 1000V
- Insulation test: 0.001MΩ to 60.00GΩ
- Polarization index measurement (PI).
- 1 uΩ High resolution micro-ohm meter
- Logging function with Trend Capture for easy review of logged data
- Low pass filter for accurate measurement of variable frequency drive (VFD) signals
- AC, AC+DC true-RMS measurements & 1kHz ACV, ACA bandwidth
- 3000A Flexible Coil Current Measurements (Optional)
- A/D convert fast sampling time: 10 Times/sec.
- Peak capture (records transients as fast as 500µs)
- Min/Max/Average with Time stamp (records signal fluctuations)
- MicroSD memory card
- Support capture screen capabilities
- Bluetooth BLE instant share function
- Easy to view and analyze images quickly

Specifications

Thermal Imager	
IR resolution	80x80 pixels
Field of View (FOV)	21° x 21°
Thermal sensitivity/NETD	< 0.1°C@ +30°C(+86°F)/100mK
Image frequency	50Hz
Object temperature range	range: -20 to 260°C (-4 to 500°F)
Focus mode/ Focal length	Focus free/ 7.5mm
Spectral range	8-14 µm
Color palettes	IRON/Rainbow/Grey/Grey Inverted
Accuracy	±3°C (±5.4°F) or ±3% of reading (Environment temperature 10°C-35°C, object temperature >0°C.)

True RMS Multimeter Functions			
Function	Max. Range	Max. resolution	Best Accuracy
Voltage DC	1000V	100mV	±(0.09% + 5)
Voltage AC	1000V	100mV	±(0.8% + 5)
Current DC	10A	0.1µA	±(0.9% + 5)
Current AC	10A	0.1µA	±(1.2% + 5)
Resistance	60MΩ	0.1Ω	±(0.5% + 5)
Capacitance	6000µF	0.01nF	±(1.2% + 8)
Frequency (electrical)	10kHz	0.01Hz	±(0.09% + 5)
Diode and Continuity	Yes		
Power Supply	6 hours Li-ion rechargeable battery; AC Adaptor/charger		

Insulation Tester			
Terminal Voltage	Range	Max. Resolution	Accuracy
125V(0% ~10%)	0.125~60.00GΩ	0.001MΩ	±(2%+10)
250V(0% ~10%)	0.250~60.00GΩ		±(2%+10)
500V(0% ~10%)	0.500~60.00GΩ		±(2%+10)
1000V(0% ~0%)	1.000~60.00GΩ		±(3%+10)

Micro-ohm Meter			
Resistance	Max. Range	Max. Resolution	Accuracy
	60mΩ	1µΩ	±(0.25% + 25µΩ)
	600mΩ	10µΩ	±(0.25% + 250µΩ)
	6Ω	100µΩ	±(0.25% + 2.5mΩ)
	60Ω	1mΩ	±(0.25% + 25mΩ)



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Size(HxWxD): 97mm x 210mm x 68mm Weight: 634g

Accessories: Test leads, Li-ion batteries, Type K temperature probe, Software, gift box with carrying case.