



CEM DT-6509

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: $0.001M\Omega$ to $60.00G\Omega$
- Polarization index measurement(PI).
- 1 u Ω 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 Fexible Coil Current Measurements (Optional)
- A/D convert fast sampling time: 10 Times/sec
- Peak capture (records transients as fast as 500 μ s)
- 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

Insulation Tester & High Resolution Micro-ohm Meter with 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.



DT-6509

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	0.1μΑ	±(1.2% + 5)
Resistance	60ΜΩ	0.1Ω	±(0.5% + 5)
Capacitance	6000uF	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		



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Insulation Tester with

True RMS InfraRed Thermal Image Multimeter

Insulation Tester					
Terminal Voltage	Range	Max. Resolution	Accuracy		
125V(0% ~10%)	0.125~60.00GΩ	0.001ΜΩ	±(2%+10)		
250V(0% ~10%)	0.250~60.00GΩ	0.001ΜΩ	±(2%+10)		
500V(0% ~10%)	0.500~60.00GΩ	0.001ΜΩ	±(2%+10)		
1000V(0% ~0%)	1.000~60.00GΩ	0.001ΜΩ	±(3%+10)		
Micro-ohm Meter					
Resistance	60mΩ	1μΩ	$\pm (0.25\% + 25\mu\Omega)$		
	600mΩ	10μΩ	$\pm (0.25\% + 250\mu\Omega)$		
	6Ω	100μΩ	±(0.25% + 2.5mΩ)		
	60Ω	1mΩ	±(0.25% + 25mΩ)		

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.



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