

DT-6505/6505F

Insulation Tester & High Resolution Low Ohm Meter with True RMS Multimeter

CEM

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

Features

	6505	6505F
Rugged, utility hard case	*	*
Auto power off to save battery power	*	*
True RMS measurement	*	*
Data logged	*	*
Low pass filter for accurate measurement of variable frequency drive (VFD) signals	*	*
CAT III 1000V, CAT IV 600V measurement category	*	*
Bluetooth interface	*	*
Save both time and money with Automatic calculation of Polarization Index and Dielectric Absorption Ratio	*	*
Slim probes designed with test button	*	*
200 mA Continuity & Low Ohm range measurement	*	*
Compare function (pass/fail) for fast repetitive tests	*	*
Insulation test voltages 125V, 250V, 500V, 1000V	*	*
Insulation test: 0.001MΩ to 5000MΩ	*	*
Auto discharge of voltage test signal	*	*
Insulation test smoothing reading	*	*
K-type thermocouple	*	*
AC 3000A Current test	*	*

Specifications

Multimeter					6505	6505F
Function	Max Range	Max Resolution	Basic Accuracy			
DC Voltage	1000V	0.1V	±(0.1% + 4)		*	*
AC Voltage	1000V	0.1V	±(1.0% + 5)		*	*
DC Current	10A	0.001A	±(1.0% + 3)		*	*
AC Current	10A	0.001A	±(1.5% + 3)		*	*
AC 3000A Current	3000A	0.01A	±(3.0% + 3)			*
Resistance	50MΩ	0.01Ω	±(1.0% + 4)		*	*
Capacitance	5000μF	0.1μF	±(3.5% + 10)		*	*
Frequency	50MHz	0.001MHz	±(0.1% + 1)		*	*
Duty Cycle	0.1 to 99.90%	0.01%	±(1.0% + 2)		*	*
Temperature	-50 to 1200°C	0.1°C	±(1.0% + 2.5°C)		*	*
	-58 to 2192°F	0.1°F	±(1.0% + 4.5°F)		*	*
Insulation Tester						
Terminal Voltage	Range	Max Resolution	Accuracy	Test Current		
125V(0%~10%)	0.125~5000MΩ	0.001MΩ	±(2%+10)	1mA @load125kΩ	*	*
250V(0%~10%)	0.250~5000MΩ	0.001MΩ	±(2%+10)	1mA @load250kΩ	*	*
500V(0%~10%)	0.500~5000MΩ	0.001MΩ	±(2%+10)	1mA @load1500kΩ	*	*
1000V(0%~0%)	1.000~5000MΩ	0.001MΩ	±(2%+10)	1mA @load1MΩ	*	*
Low Ohm Meter						
	Range	Resolution	Accuracy	Max. open Circuit Voltage		
Resistance	0.000~5.000Ω	0.001Ω	±(1.5% + 30)	5 ±1V	*	*
	5.00~50.00Ω	0.01Ω	±(1.5% + 3)			
	50.0~500.0Ω	0.1Ω	±(1.5% + 3)			
	500~2000Ω	1Ω	±(1.5% + 5)			

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

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

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



EMC & LVD

EN: 61326

EN: 61010-1

EN: 61010-02-032

EN: 61010-02-033



Model 6505F



Model 6505

