

INSULATION TESTER & TRMS MULTIMETER

The MT565 is a combination of a True RMS multimeter and an Insulation Continuity tester. The MT565 measures AC/DC voltage, AC/DC current, resistance, capacitance, frequency, duty cycle and temperature. The Low pass filter can accurately measure variable frequency drive (VFD) signals. The insulation tester offers 50V, 100V, 250V, 500V, and 1000V ranges with an insulation resistance up to 5000MΩ, DAR and Auto PI functions with adjustable time setting and an auto discharge. The Low Ohm function offers a resolution of 1mA and an open circuit voltage of 5V. The meter has a 50 000 count LCD dual display with an analogue bar graph, and the CAT IV 600V rating ensures the highest level of safety. The unit offers Bluetooth communication and an internal memory to store and transfer information. The Bluetooth app is available on both Android and iOS platforms. This provides maximum versatility and a wide range of features for both trouble shooting and preventative maintenance electricians.



Features

- 5 insulation test ranges 50V, 100V, 250V, 500V, 1000V
- Insulation Resistance up to 5GΩ
- 50 000 count with analogue bargraph backlit LCD display
- Measures AC and DC voltage up to 1000V
- Measures AC and DC current up to 10A
- Temperature measurement from -20°C to 1000°C
- Capacitance to 10mF
- Frequency to 10MHz
- Dielectric Absorption Ratio (DAR)
- Polarization Index (PI)
- Low Pass Filter for measurement of variable frequency drive (VFD)
- Auto discharge of voltage test signal
- Peak Hold function for Voltage and Current measurements
- Download stored data to iOS or Android App via Bluetooth
- Continuity buzzer
- Min/Max and Data Hold function
- Auto Power Off
- IP65 double moulded rugged waterproof housing

Function	Range	Accuracy
Insulation		
50V – 2000MΩ	1mA@50kΩ	±(4.0% +5)
100V – 5000MΩ	1mA@100kΩ	±(4.0% +5)
250V – 5000MΩ	1mA@250kΩ	±(3.0% +5)
500V – 5000MΩ	1mA@500kΩ	±(3.0% +5)
1000V – 5000MΩ	1mA@1MΩ	±(4.0% +5)
Low Ohm Meter		
Resistance	0.000Ω – 2000Ω	±(2.0% +5)
Open Circuit Voltage	5.0V	±1V
Measuring Current	200mA	
Multimeter		
DC Voltage	500mV – 1000V	±(0.1% +4)
AC Voltage	500mV – 1000V	±(0.1% +5)
DC Current	500μA – 10A	±(1.0% +3)
AC Current	500μA – 10A	±(1.5% +3)
Resistance	500Ω – 50MΩ	±(0.5% +3)
Frequency	50Hz – 50MHz	±(0.3% +2)
Capacitance	500nF – 5mF	±(3.5% +9)
Temperature	-50°C – 1200°C	±(1.0% +2.5°C)
Size	210 x 97 x 68mm	
Weight	634g	



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