



MT565 Insulation Tester & Multimeter *TRUERMS*

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 5000M Ω , DAR and Auto PI functions. 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.

Features

- 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
- 5 insulation test ranges 50V, 100V, 250V, 500V, 1000V
- Insulation Resistance up to 5G Ω
- Temperature measurement from -20°C to 1000°C
- Capacitance to 10mF
- Frequency to 10MHz
- Low Pass Filter for measurement of variable frequency drive (VFD)
- 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
- IP65 double moulded rugged waterproof housing

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



50 000 Count Backlit LCD Display



Auto PI and DAR



Bluetooth 4.0 & Internal Storage



Top Entry of Standard 4mm Test Lead Terminal

MT565 | **600V AC/DC Compact Multimeter**

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