



MT585 15kV Insulation Tester

The MT585 is a CAT IV 600V Digital High Voltage Tester with measurements from 500VDC to 15kVDC. There are 4 preset button ranges of 1kV, 5kV, 10kV and 15kV, with the option to adjust the test voltage settings in increments of 500V steps, with an insulation resistance up to 30TΩ. The microprocessor controlled MT585 is ideal for analysing the insulation characteristics of cables, transformers, motors, generators, high pressure switches, insulators and large wiring installations as the short circuit current output is up to 5mA. 200 test measurement results can be saved in the memory of the meter and recalled onto the LCD display. The large intelligent LCD display consists of 2 lines x 16 characters, indicating the reading of insulation, measuring time, output voltage and output current. Stored data can be transferred to a PC using an optical USB and software supplied. The MT585 can measure AC and DC voltage up to 600V, and when the external voltage exceeds 30V there is a visual and audible warning. It is housed in a robust case ideal for extended field use, powered by rechargeable batteries.

Features

- Insulation Test Voltages from 500V to 15kV in 500V steps
- Microprocessor controlled with 2 lines x 16 characters intelligent display
- Short circuit current up to 5mA
- Menu driven control
- DAR - Dielectric Absorption Ratio indication
- PI - Polarization Index indication
- Measurement of AC and DC voltage up to 600V
- Auto ranging on all insulation ranges
- Adjustable test time from 1 minute to 30 minutes
- Auto hold to freeze measurement readings
- 200 measurement results can be saved in memory and recalled onto the display
- Visual and audible warning of external voltage greater than 30V AC and DC
- Auto Power Off
- Date and Time calendar
- Optical USB data transmission to PC's



Function	Range	Accuracy
Insulation	500V – 1TΩ	±(5.0% +5) 0 - 100GΩ
	1kV – 2TΩ	±(5.0% +5) 0 - 200GΩ
	5kV – 10TΩ	±(5.0% +5) 0 – 1TΩ
	10kV – 20TΩ	±(5.0% +5) 0 – 1TΩ
	15kV – 30TΩ	±(5.0% +5) 0 – 3T
Short Circuit Current	5mA	
Current Measurement	0.5nA to 0.55mA (Depending on insulation resistance)	
AC Voltage	30.0V – 600V	±(2.0% +3)
DC Voltage	30.0V – 600V	±(2.0% +3)
Power Source	Rechargeable Batteries	
Size	430 x 324 x 127mm	
Weight	6.56kg	



Large Intelligent LCD Display Consists of 2 Lines x16 Characters



30 Insulation Test Voltages 500V - 15kV



PI(Polarization Index) & DAR(Dielectric Absorption Ratio)

MT585 | 15kV Insulation Tester

Contact Us
South Africa

www.major-tech.com sales@major-tech.com

Australia

www.major-tech.com.au info@major-tech.com.au