HIGH VOLTAGE DIGITAL INSULATION TESTER MS5215

MS5215

VOLTAGE DC 250V

RESISTANCE 5TΩ

V̄ Ā Ω

°C MEM PI

DAR ☀ USB

INSULATION TESTERS
MASTECH®

HIGH VOLTAGE DIGITAL INSULATION TESTER MS5215

Features:

- Checking the insulation of high-voltage electrical equipment (electric motor, transformer, and cable, etc.)
- Use 250V~5000V Voltage to Test Target Insulation
- Measured Resistance can be up to 5TΩ
- Short Current up to 3mA
- Automatically calculates PI (Polarization Index) and DAR (Dielectric absorption ratio)
- Step-Voltage measurement and Leakage current measurement
- Temperature compensation for insulation test
- Data logging and USB-PC interface

EMC LVD CE CAT.III 1000V CAT.IV 600V RoHS PATENTED

Specifications MS5215

Insulation Testing		
Operating Voltage	Measuring Range	Accuracy
250 V DC	0.01MΩ ~ 2.5GΩ	±(5%+5)
	2.51GΩ ~ 250GΩ	±(20%+10)
500 V DC	0.01MΩ ~ 5.0GΩ	±(5%+5)
	5.01GΩ ~ 500GΩ	±(20%+10)
1000 V DC	0.01MΩ ~ 10GΩ	±(5%+5)
	10.1GΩ ~ 500GΩ	±(20%+10)
	501GΩ ~ 999GΩ	±(30%+20)
2.5 KV DC	0.01MΩ ~ 25GΩ	±(5%+5)
	25.1GΩ ~ 500GΩ	±(20%+10)
	501GΩ ~ 999GΩ	±(30%+20)
	1TΩ ~ 2.5TΩ	±(30%+40)
5 KV DC	0.01MΩ ~ 50GΩ	±(5%+5)
	50.1GΩ ~ 500GΩ	±(20%+10)
	501GΩ ~ 999GΩ	±(30%+20)
	1TΩ ~ 5TΩ	±(30%+40)
Leakage Current Testing		
Range	Measuring Range	Accuracy
10nA	1.00nA ~ 9.99nA	±(15%+1nA)
100nA	9.0nA ~ 99.9nA	±(15%+5)
1000nA	100nA ~ 999nA	±(2.5%+5)
10uA	0.90uA ~ 9.99uA	±(2.5%+5)
100uA	9.0uA ~ 99.9uA	±(2.5%+5)
1000uA	90uA ~ 999uA	±(2.5%+5)
3mA	0.90mA ~ 3.00mA	±(2.5%+5)
Voltage Testing		
Measuring Mode	DC Voltage	AC Voltage
Measuring Range	±(50V to 1000V)	50V to 750V (50Hz to 60Hz)
Accuracy	±(5%+5)	±(5%+5)
Input Impedance	Approx .10MΩ	Approx .10MΩ
Temperature testing		
Measuring Range	Accuracy	
-10°C to 0°C	±1.5°C	
0°C to 40°C	±1.0°C	
40°C to 70°C	±1.5°C	
General		
Power Supply	Lr14(2#) Battery ×6, or AA1.2V ×6 (Charger: Input Voltage 100V~240V)	
Product Size	284mm×230mm×125mm/11.2"×9.1"×4.9"	
Product Weight	2426g/4.94lb	
Safety Rating	CE CAT.III 1000V CAT.IV 600V RoHS	