

HIGH VOLTAGE INSULATION TESTER MS5215



MS5215

VOLTAGE
DC 250V~5000V

RESISTANCE
5TΩ

DAR Ω

MEM PI

APS USB AVG

CLOCK ☀️

Auto



HIGH VOLTAGE INSULATION TESTER MS5215



Specifications

MS5215

Insulation		Accuracy
250V DC	0.01MΩ ~ 2.5GΩ	±(5%+5)
	2.51GΩ ~ 250GΩ	±(10%+15)
500V DC	0.01MΩ ~ 5.0GΩ	±(5%+5)
	5.01GΩ ~ 500GΩ	±(10%+10)
1000V DC	0.01MΩ ~ 10GΩ	±(5%+5)
	10.1GΩ ~ 500GΩ	±(10%+10)
2.5KV DC	501GΩ ~ 999GΩ	±(15%+10)
	0.01MΩ ~ 25GΩ	±(5%+5)
	25.1GΩ ~ 500GΩ	±(10%+10)
	501GΩ ~ 999GΩ	±(15%+30)
5KV DC	1TΩ ~ 2.5TΩ	±(15%+40)
	0.01MΩ ~ 50GΩ	±(5%+5)
	50.1GΩ ~ 500GΩ	±(10%+10)
	501GΩ ~ 999GΩ	±(15%+20)
	1TΩ ~ 5TΩ	±(20%+40)
Leakage Current		
Range	Measuring Range	Accuracy
100nA	1.00nA ~ 9.99nA	±(15%+1nA)
100nA	9.0nA ~ 99.9nA	±(15%+5)
1000nA	100nA ~ 999nA	
10uA	0.90uA ~ 9.99uA	
100uA	9.0uA ~ 99.9uA	±(2.5%+5)
1000uA	90uA ~ 999uA	
3mA	0.90mA ~ 3.00mA	
Resistance		
Range of insulation	Range of humidity	Range of temperature
0Ω ~ 100MΩ	<85% RH	23°C ±5°C (73°F ±9°F)
101Ω ~ 20GΩ	<75% RH	
21GΩ ~ 500GΩ	<65% RH	
501GΩ ~ 5TΩ	<55% RH	
Voltage		
Test Mode	DC Voltage	AC Voltage
Test Range	±(50V~1000V)	50V~750V (50Hz~60Hz)
Precision error	±(5%+5)	±(5%+5)
Input Resistance	Approx. 10MΩ	Approx. 10MΩ
Temperature		
Measuring Range	Measuring Precision	
-10°C~0°C	±1.5°C	
0°C~40°C	±1.0°C	
40°C~70°C	±1.5°C	
General		
Power Supply	6xLR14(2#) Batteries, or 6x1.2V AA Batteries (Charger: Input Voltage 100V~240V)	
Product Size	284mmx230mmx125mm/11.2"x9.1"x4.9"	
Product Weight	2426g/5.34lb	
Safety Rating	CE(EMC+LVD) CAT III 1000V / CAT IV 600V RoHS	

Packing Schematic

MS5215

Host computer x 1			
Tester probes leads x 3	Red	3m	
	Black	3m	
	Blue	3m	
Crocodile clips x 3	Red		
	Black		
	Blue		
USB x 1	1m		
Rechargeable battery pack (for charging Ni-H ₂ battery) To be used with AC charger x 1		LR14 alkaline batteries x 6	
Temperature Sensor x 1		Data analysis Software CD x 1	
Users Manual x 1		Charger x 1	
Instrument backpack x 1			