

HIGH VOLTAGE INSULATION TESTER MS5215



MS5215

VOLTAGE
DC 250V~5000V

RESISTANCE
5TΩ

DAR Ω

MEM PI

APS USB AVG

CLOCK ☀ H

Apo



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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-Hy 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			

Specifications

MS5215

Insulation		Measuring Range	Accuracy
Operating Voltage	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)
		501GΩ ~ 999GΩ	±(15%+10)
2.5KV DC		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		Measuring Range	Accuracy
Range of insulation	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	
	100uA	9.0uA ~ 99.9uA	
	1000uA	90uA ~ 999uA	
	3mA	0.90mA ~ 3.00mA	
Resistance		Range of humidity	Range of temperature
Range of insulation	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
Test Range	±(50V~1000V)	AC Voltage	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	284mm×230mm×125mm/11.2"×9.1"×4.9"		
Product Weight	2426g/5.34lb		
Safety Rating	CE CAT III 1000V / CAT IV 600V RoHS		