

HIGH VOLTAGE DIGITAL INSULATION TESTER

MS5215

MS5215

VOLTAGE
DC 250V

RESISTANCE
5TΩ



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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



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 |