

LV True RMS Handheld Insulation Resistance Tester 1KV | 505A

505A is a true RMS handheld insulation resistance tester with combined features of a digital multimeter and insulation tester. These testers can measure AC/DC voltage, frequency, resistance, capacitance, continuity, insulation resistance, PI, DAR, and automatically calculate resistance ratio to determine the insulation status.

505A can be used in insulation resistance testing of precision tool, including motors, cable, transformers, switches, electrical appliances, and insulated materials.

Complies to:
IEC61010-1
IEC 61557
IEC 61557-1
IEC 61557-2
IEC 61557-4

Specifications :

| | | | |
|---------------------------|---|--------------------------|-----------|
| Auto Range | √ | | |
| True RMS | √ | | |
| Display Count | 6000 | | |
| Measurements | | Range | Accuracy |
| Insulation Resistance (Ω) | 50V | 50V/100V/250V/500V/1000V | 0%~10% |
| | | 0.01MΩ~50MΩ | ±(3%+5) |
| | 100V | 0.01MΩ~100MΩ | ±(3%+5) |
| | 250V | 0.01MΩ~200MΩ | ±(1.5%+5) |
| | 500V | 0.01MΩ~500MΩ | ±(1.5%+5) |
| | 1000V | 0.1MΩ~2000MΩ | ±(1.5%+5) |
| | | 2GΩ~9.9GΩ | ±(10%+3) |
| | | 10GΩ~20GΩ | ±(20%+10) |
| | Load Current | 50V (R=50kΩ) 1mA | 0%~10% |
| | | 100V (R=100kΩ) 1mA | 0%~10% |
| | | 250V (R=250kΩ) 1mA | 0%~10% |
| | | 500V (R=500kΩ) 1mA | 0%~10% |
| | | 1000V (R=1MΩ) 1mA | 0%~10% |
| Short Circuit Current | — | <2mA | |
| Low Resistance (Ω) | 0.01Ω~20kΩ (About 5V/>200mA) | | ±(1.5%+3) |
| DC Voltage (V) | 0V~600V | | ±(2%+3) |
| AC Voltage (V) | 0V~600V | | ±(2%+3) |
| Other Features | | | |
| Step Voltage | 10% Steps at 50%~120% of Range | | √ |
| DAR | 60s/15s and 60s/30s | | √ |
| PI/Timing Measurement | √ | | |
| Auto Discharge | √ | | |
| Analog Bar Graph | √ | | |
| Continuity Buzzer | √ | | |
| Comparison Measurement | √ | | |
| Low Battery Indication | √ | | |
| Data Storage | 99 Data sets | | |
| Category Safety Ratings | CAT IV 600V | | |
| General Characteristics | | | |
| Power | 1.5V Battery (LR6) x 6 | | |
| Display | 78mm x 59mm | | |
| Product Net Weight | 630g | | |
| Product Size | 103mm x 225mm x 59mm | | |
| Standard Accessories | Batteries, Test Leads, Test Probes, Alligator Clips | | |



Features :

- Auto power off
- LCD backlight
- 99 Data sets
- Data hold
- High voltage output alarm



Mid Range

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ISO 9001: 2015

1-QSC202101102



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Ref:ST/505A/2021