




DT-5505

DIGITAL INSULATION TESTER

- | Hand Held Battery Operation
- | Insulation Resistance Test Voltage
125V/250V/500V/1000V
- | Insulation Resistance Range upto 4000M Ω
- | Displays Battery Voltage with Test Result
- | Continuous operation in "HANDS FREE" mode
- | Can measures Low Resistance
- | Measures AC/DC Voltage
- | Can perform Continuity Test
- | Data Hold Function
- | Backlit Super Large LCD with Analogue Bargraph

General Specifications

| | |
|------------------------|--|
| Display | Large LCD with dual display |
| Sampling Rate | 2.5 times per second |
| Zero Adjustment | Automatic adjustment |
| Over Range Indicator | Number 1 of highest digit is displayed |
| Low Battery Indication | The  is displayed when the battery Voltage drop below the operating voltage |
| Operating Temperature | 0°C to 40°C (32°F to 104°F) and Humidity below 80% RH |
| Storage Temperature | -10°C to 60°C (14°F to 140°F) and Humidity below 70% RH |
| Power source | 1.5V "AA" size Battery x 6 |
| Dimensions | 200(L) x 92(W) x 50(H) mm |
| Weight | Approx 582g |



Electrical Specifications

Accuracies are specified in the way:
±(...% of reading +...digits) at 23°C±5°C, below 80% RH.

OHMS

| Range | Resolution | Accuracy | Max. open Circuit Voltage | Overload Protection |
|--------|------------|-----------|---------------------------|---------------------|
| 40.00Ω | 0.01Ω | ±(1.2%+3) | 5.8V | 250Vrms |
| 400.0Ω | 0.1Ω | | 5.8V | |

DC Voltage

| Range | Resolution | Accuracy | Input Impedance | Overload Protection |
|-------|------------|-----------|-----------------|---------------------|
| 1000V | 1V | ±(0.8%+3) | 10MΩ | 1000Vrms |

Meg OHMS

| Terminal Voltage | Range | Resolution | Accuracy | Test Current | Short circuit current |
|------------------|----------------|------------|----------|----------------|-----------------------|
| 125V(0%~+10%) | 0.125~4.000 MΩ | 0.001MΩ | ±(2%+10) | 1mA @load125kΩ | ≤1mA |
| | 4.001~40.00 MΩ | 0.01MΩ | ±(2%+10) | | |
| | 40.01~400.0 MΩ | 0.1MΩ | ±(4%+5) | | |
| | 400.1~4000 MΩ | 1MΩ | ±(5%+5) | | |
| 250V (0%~+10%) | 0.250~4.000 MΩ | 0.001MΩ | ±(2%+10) | 1mA @load250kΩ | ≤1mA |
| | 4.001~40.00 MΩ | 0.01MΩ | ±(2%+10) | | |
| | 40.01~400.0 MΩ | 0.1MΩ | ±(3%+5) | | |
| | 400.1~4000 MΩ | 1MΩ | ±(4%+5) | | |
| 500V(0%~+10%) | 0.500~4.000 MΩ | 0.001MΩ | ±(2%+10) | 1mA @load500kΩ | ≤1mA |
| | 4.001~40.00 MΩ | 0.01MΩ | ±(2%+10) | | |
| | 40.01~400.0 MΩ | 0.1MΩ | ±(2%+5) | | |
| | 400.1~4000 MΩ | 1MΩ | ±(4%+5) | | |
| 1000V (0%~+10%) | 1.000~4.000 MΩ | 0.001MΩ | ±(3%+10) | 1mA @load1MΩ | ≤1mA |
| | 4.001~40.00 MΩ | 0.01MΩ | ±(2%+10) | | |
| | 40.01~400.0 MΩ | 0.1MΩ | ±(2%+5) | | |
| | 400.1~4000 MΩ | 1MΩ | ±(4%+5) | | |

Continuity Beeper

| Range | Resolution | Operation Resistance | Max.open Circuit Voltage | Overload Protection |
|-----------------------|------------|----------------------|--------------------------|---------------------|
| •))) | 0.01Ω | Resistance≤35Ω | 5.8V | 250Vrms |
| Short circuit current | | ≥200mA | | |

AC Voltage (40Hz~400Hz)

| Range | Resolution | Accuracy | Input Impedance | Overload Protection |
|-------|------------|------------|-----------------|---------------------|
| 750V | 1V | ±(1.2%+10) | 10MΩ | 750Vrms |

Accessories

Carrying Case, Test Leads, Instruction Manual, Battery, Test Certificate.

Contact :

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