

TES-1601 AUTO RANGE INSULATION TESTER



Product Features

- 3-3/4 Digital readout with analog bar graph indication
- Auto Range for Mega Ohm range
- 50 segments Log Scaled Analog Display
- Easy to carry testing package
- Tests insulation at rated voltage into a 1mA load
- 200mA short circuit continuity current
- Meet IEC61557

□ OHMS & Continuity Beeper

| Range | Resolution | Accuracy | Max. open Circuit Voltage | Max. Short Circuit Current | Overload Protection |
|-------|------------|----------|---------------------------|----------------------------|---------------------|
| 40Ω | 0.01Ω | 1%+30 | 12.8V | >200mA | 600Vrms |

| Range | Resolution | Beeper Active | Max. open Circuit Voltage | Overload Protection |
|-------|------------|---------------|---------------------------|---------------------|
| | 0.01Ω | Resistance<4Ω | 12.8V | 600Vrms |

□ AC Voltage (40Hz~500Hz)

| Range | Resolution | Accuracy (above 1V) | Input Impedance | Overload Protection |
|-------|------------|---------------------|-----------------|---------------------|
| 600V | 0.1V | 1.5%+3 | 4.5MΩ | 750Vrms |

□ Meg OHMS (Auto Range)

| Range | Resolution | Accuracy | Terminal Voltage |
|----------------------------|------------|------------------------------|--------------------|
| 4MΩ/40MΩ/400MΩ/4000MΩ/250V | 1KΩ | 3%+5(<2000M) 5%+5(>2000M) | 250V +20% ~ -0% |
| 4MΩ/40MΩ/400MΩ/4000MΩ/500V | | | 500V +20% ~ -0% |

| | | | |
|-----------------------------|--|--|--------------------|
| 4MΩ/40MΩ/400MΩ/4000MΩ/1000V | | | 1000V+10% ~ -0% |
|-----------------------------|--|--|--------------------|

| Range | Test Current | | Short circuit current |
|--------------|--------------|--------------|-----------------------|
| 4000MΩ/250V | 1mA | 250KΩ (load) | ≤1.5mA |
| 4000MΩ/500V | | 500KΩ (load) | |
| 4000MΩ/1000V | | 1MΩ (load) | |

GENERAL SPECIFICATIONS :

| | |
|------------------------------------|---|
| Display | 80 x 50mm Big LCD penal with 50 segments analog display Max Reading 4000 |
| Over range Indication | “OL” will be shown on the LCD penal when an out-of-range measurement is made. |
| Low Battery Indication | The bty will be shown when the battery needs to be changed |
| Sampling Rate | 2.5 times/sec Digital Display 10 times/sec Bar Graph |
| Power Source | Eight 1.5Volt AA size Battery |
| Operating Temperature and Humidity | 0°C to 40°C (32°F to 104°F), below 80% RH |
| Storage Temperature | -10°C to 60°C (14°F to 140°F) |
| Dimension | 190(L)x140(W)x77(H)mm |
| Weight | Approx. 900g (with battery) |
| Accessories | Test Lead, Battery, Instruction Manual |