

### Digital Insulation Tester ( DIM 571)

- **FEATURES:**
  1. DIM 571 is a LCD Indicated instruments for insulation (M Ohm), Continuity (OHM) and AC Voltage
  2. Three Insulation test voltage (DCV): 250V, 500V, 1,000V.
  3. Large LCD display(68 x 34mm)
  4. Test Insulation at rated voltate into 1 1mA load
  5. 200mA short circuit continuity current.
  6. Timer for test functions (3 ~ 5 minutes)
  7. Data Hold function
  8. Auto power off function
  9. Automatic circuit discharge
  10. Fuse proection
  11. EN61010 CAT III 600V
  12. BS 16" Edition



Insulation Tester

### Specifications: Why Insulation Test Is necessary?

- A. Insulation:
  1. Every electrical apparatus and installation need to be safe for the user and for the equipment itself.
  2. Electrical conductors of electricity need to be insulated from each other so that they do not create electrical hazard or unnecessary consumption.
  3. Badly insulated circuits can create leakage current which can be dangerous and trip your GFCI, RCCB or ELCB.
  4. Each Country regulate those levels at which the insulation ia acceptable.
- Generally, insulation resistance measurements are done between each conductor and the earth, and between each conductors.
- B. Continuity
  - Checking the continuity of wires, complete circuits, connections, closure of contacts, circuit



breakers, fuses, bounding resistance of connections, etc. are all very important.

- INSULATION RESISTANCE:
  - Insulation Resistance:
  - 1. Test Range DCV : 250V/500V/1000V
  - 2. Measuring Ranges(Auto) : 20/200/2,000M Ohm
  - 3. Resolution: 0.01/ 0.1/ 1M Ohm
  - 4. Output Voltage: Rated test voltage +10%
  - 5. Output Current: 1mA DC
  - 6. Power Consumption: Max consumption current Approx. 250mA
  - 7. Accuracy: 20M Ohm : +/- (1.5% reading + 5 dgts), 200M Ohm : +/- (2.5% reading + 3 dgts), 2000M Ohm : +/- (5% reading + 5 dgts)
- CONTUNITY TEST
  - 1. Measuring Ranges (Auto) 20/ 200/ 2000 Ohm
  - 2. Resolution: 0.01 / 0.1/ 1 Ohm
  - 3. Buzzer Sound Below: Under 1 Ohm
  - 4. Open circuit Terminal voltage: 4V DC Min
  - 5. Short Circuit Terminal Current: 200mA DC Min
  - 6. Power Consumption: Max. Consumption current Approx. 300mA
- AC VOLTAGE:
  - 1. AC Voltage Ranges: 0 ~ 600V
  - 2. Resolution: 1V
  - 3. Line Frequency Range: 40 ~ 120 Hz
  - 4. Accuracy: +/- (1.5% reading + 3 dgts)



- GENERAL SPECIFICATIONS:
  - 1. LCD : 3 1/2 Digits , 2000 counts
  - 2. Over range display: 1
  - 3. Dimension: 205 (L) x 90(W) x 55(D) mm
  - 4. Weight: 600 g Approx. (battery included)
  - 5. Power Source: 1.5V (SUN-3) x 6 Type AA
  - 6. Accessories: Insutrion Manual , test leads, Fuse (0.5A, 250V), Batteries, Hard carrying case.