

TECPEL

Model: DIM 571

DIGITAL INSULATION TESTER

FEATURES

- The DIM 571 IN is a LCD indicated instrument for insulation($M\Omega$), continuity(Ω) and AC voltage.
- Three insulation test voltage(DCV) : 250V, 500V, 1000V.
- Large LCD display (68×34mm).
- Test insulation at rated voltage into a 1mA load.
- 200mA short circuit continuity current.
- Timer for test function (3~5minutes).
- Data hold function.
- Auto power off function.
- Automatic circuit discharge.
- Fuse protection.
- EN61010 CAT.III 600V.
- BS 16th edition.



WHY TEST IS NECESSARY?

INSULATION

Every electrical apparatus and installation need to be safe for the user and for the equipment itself.

Electrical conductors of electricity need to be insulated from each other, so that they do not create electrical hazard or unnecessary consumption.

Badly insulated circuits can create leakage current which can be dangerous and trip your GFCI, RCCB or ELCB.

Each country regulate those levels at which the insulation is acceptable.

Generally, insulation resistance measurements are done between each conductor and the earth, and between each conductors.

CONTINUITY

Checking the continuity of wires, complete circuits, connections, closure of contacts, circuit breakers, fuses, bounding resistance of connections, etc.... Are all very important.

SPECIFICATIONS

INSULATION RESISTANCE

Test Range (DCV)	250V / 500V / 1000V
Measuring Ranges (Auto)	20 / 200 / 2000M Ω
Resolution	0.01 / 0.1 / 1M Ω
Output Voltage	Rated test Voltage +10%
Output Current	1mA DC
Power Consumption	Max. Consumption current Approx. 250mA
Accuracy	20M Ω : \pm (1.5%rdg+5dgt) 200M Ω : \pm (2.5%rdg+3dgt) 2000M Ω : \pm (5%rdg+5dgt)

CONTINUITY TEST

Measuring Ranges (Auto)	20 / 200 / 2000 Ω
Resolution	0.01 / 0.1 / 1 Ω
Accuracy	\pm (1.5%rdg+3dgt)
Buzzer Sound Below	Under 1 Ω
Open Circuit Terminal Voltage	4V DC Min
Short Circuit Terminal Current	200mA DC Min
Power Consumption	Max. Consumption current Approx. 300mA

AC VOLTAGE

AC Voltage Range	0~600V
Resolution	1V
Line Frequency Range	40~120Hz
Accuracy	\pm (1.5%rdg+3dgt)

GENERAL

LCD	3½ digital (2000 counts)
Over Display	1
Dimension	205(L)×90(W)×55(D)mm
Weight	600g Approx. (Battery included)
Power Source	1.5V(SUN-3) × 6 Type AA.
Accessories	Instruction manual Test leads Fuse (0.5A, 250V) Batteries

© Due to our policy of constant improvement and development . we reserve the right to change specifications without notice.



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