



# Model 1161 IN

## Digital (up to 1kV) Insulation Tester



### Features

- Microprocessor-controlled.
- Measures insulation ( $M\Omega$ ), Continuity ( $\Omega$ ) and AC voltage.
- Three insulation test voltages(DC V) : 250V, 500V, 1000V.
- 3½ digital LCD (2000 counts).
- 68 × 34mm (2.677" × 1.338" ) large LCD display.
- Waterproof design, protection class : IP54.
- Automatic circuit discharge.
- Test insulation at rated voltage into a 1mA load.
- 200mA short circuit testing current for continuity.
- Auto ranging.
- Fuse protection.
- Data hold function
- BS 16 edition.



### Specifications

#### Insulation Resistance

Test voltage (DC V)	250V / 500V / 1000V
Measuring ranges (Auto ranging)	0-2M $\Omega$ / 0-20M $\Omega$ / 0-200M $\Omega$ / 0-2000M $\Omega$
Output voltage open circuit	+10%
Accuracy	0-2M $\Omega$ : $\pm(5\%rdg+5dgt)$ 0-20M $\Omega$ : $\pm(1.5\%rdg+5dgt)$ 0-200M $\Omega$ : $\pm(2.5\%rdg+3dgt)$ 0-2000M $\Omega$ : $\pm(5\%rdg+5dgt)$
Resolution	0-2M $\Omega$ : 1k $\Omega$ 0-20M $\Omega$ : 10k $\Omega$ 0-200M $\Omega$ : 100k $\Omega$ 0-2000M $\Omega$ : 1M $\Omega$
Output current	1mA DC

#### AC Voltage

Range	0-600V
Resolution	1V
Line frequency range	40-120 Hz
Accuracy	$\pm(1.5\%rdg+3dgt)$

#### Current for continuity

Measuring range	0-20 $\Omega$
Resolution	0.01 $\Omega$
Short circuit terminal current	200mA DC min.
Open circuit terminal voltage	4V DC min.
Accuracy	$\pm(1.5\%rdg+3dgt)$

#### General

Impedance	10M $\Omega$
Dimensions	175(L) × 85(W) × 75(D) mm
Weight (battery included)	Approx. 600g
Power source	1.5V (AA ) × 8
Safety standard	EN 61010-1 CAT III 600V EN 61326-1



AL-28-5

### Accessories

- Instruction manual
- Test leads
- Soft pouch
- Shoulder belt
- Batteries



AL-25C