



# Model 1651 IN

## Digital (up to 1kV) Insulation Tester



### Features

- Microprocessor-controlled.
- ACV auto-detection function on 3 insulation ranges (250/500/1000V) and low  $\Omega$  range before pressing the TEST button.
- 68 x 34mm large LCD display.
- 3½ digital LCD (2000 counts) a LCD indicated instrument for insulation(M $\Omega$ ), continuity ( $\Omega$ ) and AC voltage.
- Three insulation test voltages(DC V) : 250V, 500V, 1000V.
- Auto ranging.
- Auto power off function.
- Auto data hold function.
- Rel function (ohm only)
- Continuity buzzer.
- External AC voltage warning.
- Automatic circuit discharge.
- BS 16th edition.

### Specifications

#### Insulation Resistance

Test voltage	250V / 500V / 1000V
Measuring ranges (Auto ranging)	0-20.00M $\Omega$ 0-200.0M $\Omega$ 0-2000M $\Omega$
Output voltage open circuit	Rated test voltage +10%
Accuracy	20M $\Omega$ : $\pm(1.5\%rdg+2dgt)$ 200M $\Omega$ : $\pm(2.5\%rdg+2dgt)$ 2000M $\Omega$ : $\pm(5\%rdg+3dgt)$
Resolution	0-20.00M $\Omega$ : 10k $\Omega$ 0-200.0M $\Omega$ : 100k $\Omega$ 0-2000M $\Omega$ : 1M $\Omega$
Output current	1mA DC

#### AC Voltage

Range	0-600V
Resolution	1V
Accuracy	$\pm(1.5\%rdg+3dgt)$

#### Continuity

Range	20 $\Omega$ / 200 $\Omega$ / 2000 $\Omega$
Resolution	0-20 $\Omega$ : 0.01 $\Omega$ 0-200 $\Omega$ : 0.1 $\Omega$ 0-2000 $\Omega$ : 1 $\Omega$
Short circuit terminal current	> 200mA DC
Accuracy	20 $\Omega$ : $\pm(2\%rdg+4dgt)$ 200 $\Omega$ : $\pm(1.5\%rdg+2dgt)$ 2000 $\Omega$ : $\pm(1.5\%rdg+2dgt)$
Buzzer sounds	Below 10 $\Omega$

### General

Dimensions	163(L) x 102(W) x 50(D)mm
Weight (battery included)	Approx. 470g
Power source	1.5V (AA) x 6
Safety standard	EN 61010-1 CAT III 600V IEC 61557-1 IEC 61557-2 EN 61326-1



AL-24-5



AL-21C2-4



### Accessories

- Instruction manual
- Test leads
- Carry case
- Batteries