

# Analogue (Up to 1kV) Insulation Tester



CE

**1800 IN**

## FEATURES

- High quality Taut Band movement.
- Battery operated.
- Solid state circuitry.
- Battery check feature.
- Automatic circuit discharge.
- Three insulation test voltages.
- Color-coded scale.
- AC voltage measurement.
- Fuse protected.

## SPECIFICATIONS

### Insulation Resistance

Test voltage (DC V)	250V / 500V / 1000V
Measuring ranges	0-100M $\Omega$ / 0-200M $\Omega$ / 0-400M $\Omega$
Output voltage on open circuit	Rated test voltage +10%
Accuracy	$\pm 5\%$ of indicated value
Short circuit terminal current	2mA DC
Power consumption	190mA

### Continuity

Measuring ranges	0-50 $\Omega$ & $\infty$
Accuracy	$\pm 5\%$ of scale length
Open circuit terminal voltage	4V DC Approx.
Short circuit terminal current	145mA DC Approx.
Power consumption	200mA

### AC Voltage

Range	0-500V AC
Accuracy	$\pm 2.5\%$ of full scale
Line frequency range	40-1k Hz

### General

Dimensions (with housing front cover)	170(L) $\times$ 165(W) $\times$ 92(D) mm
Weight (battery included)	Approx. 1000g
Power source	1.5V (AA) $\times$ 8
Safety standard	EN 61010-1 CAT III 500V EN 61326-1
Accessories	Instruction manual Test leads Shoulder belt Batteries



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**1132 IN**

## FEATURES

- High quality Taut Band movement.
- Three insulation test voltages(DC) : 250V, 500V, 1000V.
- Two continuity test on low ohms : 3 $\Omega$  & 500 $\Omega$ .
- Compact and lightweight.
- AC voltmeter with linear scale up to 600 Vac.
- 200mA continuity short circuit current.
- 1mA test current on insulation test at nominal voltage.
- Automatic discharge of capacitive and inductive circuit with charge stored in the circuit under test.
- Live warning and display or external voltage presence.
- Fuse, air gap, crowbar and overload protected.
- On line battery monitoring shows if battery is ok.
- Manual zero ohm adjustment.
- Low battery consumption.
- Mirror scale.
- Push and turn locking switch for continuous and hand free testing.
- BS 16<sup>th</sup> edition.

## SPECIFICATIONS

### Insulation Resistance

Test voltage (DC V)	250V / 500V / 1000V
Output voltage on open circuit	Rated test Voltage +10%
Measuring ranges	0-100M $\Omega$ / 0-200M $\Omega$ / 0-400M $\Omega$
Mid-scale value	1M $\Omega$ / 2M $\Omega$ / 4M $\Omega$
Scale multiplier	$\times 1/2$ / $\times 1$ / $\times 2$
Accuracy	$\pm 5\%$ of indicated value
Output short-circuit current	$\geq 1.0$ mA

### Continuity

Measuring ranges	3 $\Omega$ / 500 $\Omega$
Output short-circuit current	$\geq 200$ mA
Accuracy	$\pm 1.5\%$ of scale length

### AC Voltage

Range	0-500V AC
Accuracy	$\pm 3\%$ of scale length

### General

Voltage warning	Warning light circuit live lit From 90Vdc / 70Vac, Buzzer beep from 24V ac/dc
Battery check	Battery check indicate good batteries from 8Vdc to 13Vdc during a load test of 240mA.
Battery OK	Battery OK LED lit from 8Vdc and is operative while testing.
Dimensions	175(L) $\times$ 85(W) $\times$ 75(D)mm
Weight (battery included)	Approx. 650g
Power source	1.5V (AA) $\times$ 8
Safety standard	EN 61010-1 CAT III 500V EN 61326-1
Accessories	Instruction manual Test leads Soft pouch Shoulder belt Batteries