

Analogue (Up to 1kV) Insulation Tester



CE

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.

1800 IN-A

SPECIFICATIONS

Insulation Resistance

Test voltage (DC V)	250V / 500V / 1000V
Measuring ranges	0-100MΩ / 0-200MΩ / 0-400MΩ
Output voltage on open circuit	Rated test voltage +10%
Accuracy	0-1MΩ: ±10% of indicated value 1MΩ-400MΩ: ±5% of indicated value
Short circuit terminal current	2mA DC
Power consumption	190mA

Continuity

Measuring ranges	0-50Ω & ∞
Accuracy	± 5% of scale length
Open circuit terminal voltage	4V DC Approx.
Short circuit terminal current	145mA DC Approx.
Power consumption	200mA

AC Voltage

Range	0-600V AC
Accuracy	± 2.5% of scale length
Line frequency range	40-1k Hz

General

Dimensions (with housing front cover)	170(L) × 165(W) × 92(D) mm
Weight (battery included)	Approx. 1000g
Power source	1.5V (AA) × 8
Safety standard	EN IEC 61010-1 CAT III 600V EN IEC 61326-1
Accessories	Instruction manual Test leads Shoulder belt Batteries



CE

FEATURES

- High quality Taut Band movement.
- Three insulation test voltages(DC) : 250V, 500V, 1000V.
- Two continuity test on low ohms : 3Ω & 500Ω.
- 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 16th edition.

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SPECIFICATIONS

Insulation Resistance

Test voltage (DC V)	250V / 500V / 1000V
Output voltage on open circuit	Rated test Voltage +10%
Measuring ranges	0-100MΩ / 0-200MΩ / 0-400MΩ
Mid-scale value	1MΩ / 2MΩ / 4MΩ
Scale multiplier	×1/2 / ×1 / ×2
Accuracy	± 5% of indicated value
Output short-circuit current	≥ 1.0mA

Continuity

Measuring ranges	3Ω / 500Ω
Output short-circuit current	≥ 200 mA
Accuracy	± 1.5% of scale length

AC Voltage

Range	0-600V AC
Accuracy	± 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) × 85(W) × 75(D)mm
Weight (battery included)	Approx. 650g
Power source	1.5V (AA) × 8
Safety standard	EN 61010-1 CAT III 600V EN 61326-1
Accessories	Instruction manual Test leads Soft pouch Shoulder belt Batteries