



# Model 1652 IN

## Analog (1kV below) Insulation Testers



### Features

- High quality Taut Band movement.
- Three insulation test voltages(DC): 250V, 500V, 1000V.
- Two continuity test on “low ohms”: 3Ω & 500Ω.
- AC voltmeter with linear scale up to 600 Vac.
- 200mA short circuit current for continuity.
- 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 of 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.
- Supplied with high quality test leads.
- BS 16 edition.

### 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:   | Approx. 1.3mA               |

#### AC Voltage

|           |                      |
|-----------|----------------------|
| Range:    | 0-600V AC            |
| Accuracy: | ± 3% of scale length |

#### Continuity

|                               |                        |
|-------------------------------|------------------------|
| Measuring ranges:             | 3Ω / 50Ω               |
| Zero Ω adjustment by knob:    | ✓                      |
| Output short-circuit current: | ≥ 200 mA               |
| Accuracy:                     | ± 1.5% of scale length |

#### General

|                  |                                                                                  |
|------------------|----------------------------------------------------------------------------------|
| Voltage warning: | Warning light circuit live lit from 90Vdc / 70Vac,<br>Buzzer beep from 24V ac/dc |
| Dimensions:      | 163(L) × 122(W) × 62(D)mm                                                        |
| Weight:          | Approx. 553g (battery included)                                                  |
| Power source:    | 1.5V (AA) × 6                                                                    |
| Safety standard: | EN 61010-1 CAT III 600V.<br>EN 61326-1                                           |
| Accessories:     | Instruction manual. Test leads.<br>Shoulder belt. Batteries.                     |