



# Model 8020 ER

## 3 Wire Digital Earth Resistance Tester



- Capable of measuring earth resistance and earth voltage.
- 2mA measuring current permits the testing of earth resistance without tripping earth leakage current breakers in the circuit under test.
- Frequency : 820Hz.
- 0Ω adjustment.
- Battery operated.
- Data hold function.
- Low battery indication.
- Calibration performed with supplied test leads.
- Simplified measurement probe is also provided for one or two-wire measuring method.

### Accessories

Instruction manual  
 Test leads (red-15m, yellow-10m, green-5m)  
 Auxiliary earth spikes  
 Simplified measurement probe  
 Hand strap  
 Carry case  
 Batteries

### Specifications

|                             |  |
|-----------------------------|--|
| Measuring ranges            | Earth resistance:<br>0-20Ω / 0-200Ω / 0-2000Ω<br>Earth voltage: 0-200 Vac (40-500Hz)               |
| Accuracy                    | Earth resistance:<br>±(1.5%rdg+2dgt) or ±0.1Ω,<br>which is greater<br>Earth voltage: ±(1%rdg+2dgt) |
| Earth resistance resolution | 0-20Ω : 0.01Ω<br>0-200Ω : 0.1Ω<br>0-2000Ω : 1Ω   |
| Testing frequency           | 820 Hz   |
| Measuring system            | Earth resistance by constant current inverter 820Hz approx 2mA.                                    |
| Display                     | 3½ digit (2000 counts)   |
| 0Ω adjustment               | √  |
| Open circuit indication     | LED will be unlit  |
| Low battery indication      | ⊞ symbol appears on the display  |
| Data hold indication        | HOLD symbol appears on the display   |
| Over range Indication       | "1"(MSD)   |
| Dimensions                  | 221(L) × 110(W) × 57(D)mm  |
| Weight                      | Approx. 600g (battery included)  |
| Power source                | 1.5V (AA) x 6  |
| Safety standards            | IEC/EN 61010-1 CAT IV 200V<br>EN 61557-1<br>EN 61557-5,<br>EN 61326-1                              |