



Model 1820 ER



3 Wire Digital Earth Resistance Tester



1820 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.
- The test leads are supplied as standard accessories for simplified two-wire measuring system.
- Battery operated.
- Data hold function.
- Low battery indication.
- Calibration performed with supplied test leads.

Specifications

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|-----------------------------|---|
| Measuring ranges | Earth resistance 0-20Ω / 0-200Ω / 0-2000Ω Earth voltage 0-200 Vac(40-500Hz) |
| Accuracy | Earth resistance $\pm(2\%rdg+2dgt)$ or $\pm 0.1\Omega$, which is greater Earth voltage $\pm(1\%rdg+2dgt)$ |
| Earth resistance resolution | 0-20Ω : 0.01Ω 0-200Ω : 0.1Ω 0-2000Ω : 1Ω |
| Measuring system | Earth Resistance by constant current inverter 820Hz approx. 2mA |
| Display | 3½ digit (2000 counts) |
| Open circuit indication | LED will be unlit |
| Low battery indication |  symbol appears on the display |
| Data hold indication |  symbol appears on the display |
| Over range indication | "1"(MSD) |
| Dimensions | 170(L) × 165(W) × 92(D)mm |
| Weight (battery included) | Approx.1040g |
| Power source | 1.5V (AA) × 8 |
| Safety standards | EN 61010-1 CAT II 300V IEC 61557-1 IEC 61557-5 EN 61326-1 |

Accessories

Instruction manual
 Test leads (red-15m, yellow-10m, green-5m)
 Auxiliary earth spikes
 Simplified measurement probe
 Shoulder belt
 Batteries