



Model 8020 ER

3 Wire Digital Earth Resistance Testers



Features

- 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 two-wire measuring method.

Specifications

Measuring ranges

Earth resistance: 0-20Ω / 0-200Ω / 0-2000Ω

Earth voltage: 0-200 Vac(40-500Hz)

Accuracy

Earth resistance: $\pm(1.5\%rdg+2dgt)$ 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

Testing frequency: 820 Hz

Measuring system: Earth Resistance by constant current inverter 820Hz approx. 2mA

Display: 3½ digit (2000 counts)

0Ω adjustment: $\sqrt{\quad}$

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: 221(L) × 110(W) × 57(D)mm

Weight: Approx. 600g (battery included)

Power source: 1.5V (AA) × 6

Safety standards: IEC/EN 61010-1 CAT IV 200V
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
Hand strap. Carry case. Batteries.