





Model 4120 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.
- Battery test indication.
- Calibration performed with supplied test leads.

Specifications

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	250(L) × 190(W) × 110(D)mm
Weight (battery included)	Approx. 1500g
Power source	1.5V (AA) × 8
Safety standards	EN 61010-1 CAT III 300V IEC 61557-1 IEC 61557-5 EN 61326-1



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Accessories

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