

3 Wire Earth Resistance Tester



2720 ER





4120 ER



FEATURES

- **Protection class: IP65 (Lid closed) (4120 ER)**
- 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

Measuring ranges	Earth resistance 0-20Ω / 0-200Ω / 0-2000Ω Earth voltage 0-200 Vac (40-500Hz) Earth resistance $\pm(2\%rdg+2dgt)$ or $\pm 0.1\Omega$, which is greater Earth voltage $\pm(1\%rdg+2dgt)$
Accuracy	
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	205(L) × 90(W) × 55(D)mm
Weight (battery included)	Approx. 550g
Power source	1.5V (AA) × 6
Safety standard	EN IEC 61010-1 CAT III 300V EN 61557-1 EN 61557-5 EN 61326-1 Instruction manual Test leads(red-15m, yellow-10m, green-5m) Auxiliary earth spikes Simplified measurement probe Carry case Batteries
Accessories	

SPECIFICATIONS

Measuring ranges	Earth resistance 0-20Ω / 0-200Ω / 0-2000Ω Earth voltage 0-200 Vac (40-500Hz) Earth resistance $\pm(2\%rdg+2dgt)$ at 200/2000Ω $\pm(2\%rdg+0.1\Omega)$ at 20Ω Earth voltage $\pm(1\%rdg+2dgt)$
Accuracy	
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 standard	EN 61010-1 CAT III 300V IEC 61557-1 IEC 61557-5 EN 61326-1 Instruction manual Test leads (red-15m, yellow-10m, green-5m) Auxiliary earth spikes Simplified measurement probe Shoulder belt Batteries
Accessories	