



TECPEL CO., LTD.

ERT-580 Digital Earth Resistance Tester



The **ERT-580 Digital Earth Resistance Tester** is designed for electrical contractors and maintenance engineers to check the effectiveness of various earth electrode systems. It complies with BS7671, BS7430, IEC364, NFC15-100, SABS0142, and VDE0413. With a resolution of 0.01Ω and a large LCD display, it ensures precise and reliable readings. Sealed with an "O-Ring" for moisture protection, and compliant with IEC1010-1 safety standards.

Measurement Specifications

Digits Display	1,999 Digits
Output Current	2mA @ 820Hz
Resistance Range	20 Ω / 200 Ω / 2000 Ω
Voltage Range	0–199.9V (50/60Hz)
Resolution	0.01 Ω / 0.1 Ω / 1 Ω
Accuracy	$\pm(1.5\% + 2 \text{ digits})$

General Specifications

Safety Standard	IEC-1010 (EN61010) Cat III 300V, BS7671, BS7430, IEC364, etc.
Display	3½-digit LCD (max 1999)
Dimension	205 × 90 × 55 mm
Weight	Approx. 572g (incl. batteries)
Power Supply	6 × 1.5V AA batteries
Operating Temp./Humidity	0–40°C (32–104°F), <80% RH
Storage Temp./Humidity	-10–60°C (14–140°F), <80% RH

Accessories: Carrying case, auxiliary test leads (Red:15m, Yellow:10m, Green:5m), T-shaped ground rods ×2, 6×AA batteries, manual.

Certification: CE Approved

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