



ERT 15C/20C/20C+

Clamp Testers



Figure 1 Model shown ERT-20C+

A new generation of earth/ground clamp-on resistance testers offering market leading access, advanced features, simple operation and high safety protection.

The clamp-on ground testing technique used by the ERT series simplifies ground loop testing and enables non-intrusive leakage current measurement. The ERT-20C models are able to measure the leakage current of ground wire, whilst both models can measure the integrated value of ground resistance and resistance field. The compact and rugged design makes the ERT series easy to use in small places and harsh environments, while the 'display hold' and the continuity testing with an audible alarm function ensures convenience in use. When measuring ground resistance on loop, there is no need to disconnect the ground wire from the electrode. The brand-new models have had both software and hardware upgrades, including: Instant boot; minimal risk of boot error; upgraded battery cover; wider testing range and a larger memory.

Key Features

- Innovative technique in Ground Resistance Testing; non-contact, safe and fast
- Special clamp shape improves access to earth cables and straps up to 65 mm (ERT-20C/20C+)
- Measures ground resistance 0.01 Ω to 200/1200 Ω
- Measures ground leakage current up to 20 A (20C/20C+)
- Automatic self-calibration
- Auto ranging
- Visible and Audible Alarms
- Software and advanced memory functionality with download option (20C+ model only)

Ideal for

- Telecommunications
- Power transmission
- Power distribution
- Research and development
- Earth design projects
- Industrial maintenance

Technical Specifications

Model	ERT-20C+	ERT-20C	ERT-15C
Clamp size	65mm×32mm		Φ32mm
Resistance Range	0.01Ω-1200Ω		0.01Ω-200Ω
Min. Resolution	0.001 Ω		±(1%+0.01Ω)
Min. Accuracy	±(1%+0.01Ω)		±(1%+0.01Ω)
Current Range	0.00mA-20.0A		---
Current Resolution	0.05mA		---
Current accuracy	±2.5% ±1mA		---
LCD Screen	4 Digits LCD display,		
Data memory	99 Sets		
Audible and visible alarm	YES		
Alarm Threshold Setting Range	Resistance:1-199Ω		
Protection class	Double insulation		
External magnet / electric field	<40A/m;<1V/m		
Frequency for resistance test	1KHz		
RS232 Interface	YES (RS232 cable & software)	---	---

Standard Accessories

User manual
 Calibration ring
 Hard carrying case
 Batteries
 RS232 cable and software (ERT-20C+ model only)

LCD Screen

4-digit display

Interface

RS-232 (ERT-20C+ only)

Power

DC 6V (4pcs of LR6 alkaline batteries)

Protection Class

Double insulation

General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
GPS-ERT-15C	Earth clamp tester 0.01Ω-200Ω	800115
GPS-ERT-20C	Earth clamp tester 0.01Ω-1200Ω	800020
GPS-ERT-20C+	Earth clamp tester 0.01Ω-1200Ω with RS232 interface and software	800121

Dimensions

163 x 260 x 53mm / 6 x 10 x 2" (w x d x h) approx.

Mass

1.5kg/3.3lbs approx.

Services

1-year warranty (subject to product registration with GPS Ltd)

Visit www.gpslimited.com/register-product
 Service and calibration available.

Please contact for more information

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