

ETCR3200C Double Clamp Earth Resistance Tester



Product Function

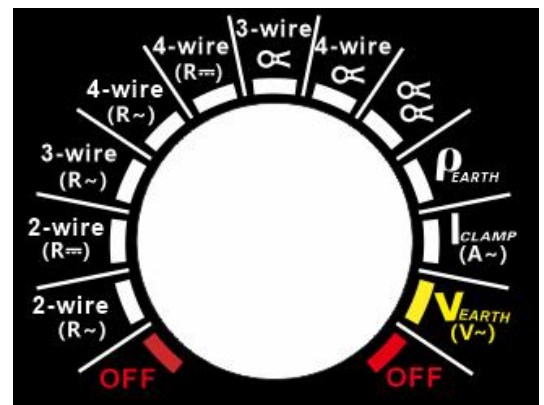
With 4-wire method, 3-wire method and simple 2-wire method, selection method, double clamp method to measure earth resistance, DC current/soil resistivity, earth voltage, AC voltage, grounding lead leakage current.

Product features

1. Import FFT (Fast Fourier Transform Algorithm) and AFC (Automatic Frequency Control) technology. With unique antijamming capability and environmental adaptability, high consistency of retest.
2. Unique designed plug receptacle indicator, accurately indicating the location of the plug receptacle, operation convenient. With function selection knob, all test methods clear to display, operate simple and fast.
3. Package with waterproof protection box, waterproof, crash proof, anti-drop and durable, large-capacity rechargeable lithium battery pack, especially suitable for application at outdoor construction site
4. With the large LCD displayer of host machine, with white backlight and bar graph indication that can be seen clearly.
5. With alarm function, overload protection function, automatic shutdown function, also with the data storage, data access and data upload by USB interface function.
6. Support the bluetooth communication function of Android system, after installation the APP, mobile terminals can be used to testing operations and view test records.


Measurement Gears

Knob Gears	Function	Knob Gears	Function
OFF	Shutdown	3-wire	3-wire selection method measure earth resistance
2-wire (R~)	2-wire method measure earth resistance	4-wire	4-wire selection method measure earth resistance
2-wire (R=)	2-wire method measure DC resistance	RR	Double clamp method measure earth resistance
3-wire (R~)	3-wire method measure earth resistance	ρ_{EARTH}	Wenner Method measure soil resistivity
4-wire (R~)	4-wire method measure earth resistance	CLAMP (A~)	Grounding interference current
4-wire (R=)	4-wire method measure DC resistance	V_{EARTH}	Grounding interference voltage



Technical Specification

Power Supply	DC7.4V 2600mAh rechargeable lithium battery		
2/3/4-wire Method Measure Earth Resistance	Range: 0.00Ω~300KΩ;	Resolution: 0.01Ω;	Accuracy: ±2%rdg±0.05dgt
Selection Method Measure Earth Resistance	Range: 0.00Ω~3000Ω;	Resolution: 0.01Ω;	Accuracy: ±2%rdg±0.05dgt
Double Clamp Method Measure Earth Resistance	Range: 0.00Ω~100Ω;	Resolution: 0.01Ω;	Accuracy: ±10%rdg±5dgt
Earth Voltage Measurement	Range: 0.0~100.0V AC;	Resolution: 0.1V;	Accuracy: ±2%rdg±3dgt
Earth current Measurement	Range: 0.0mA~600.0A	Resolution: 0.0mA;	Accuracy: ±2%rdg±3dgt
Soil Resistivity Measurement (ρ)	Range: 0.00Ωm~9000KΩm;	Resolution: 0.01Ωm	
CT Size	φ 70mm		

Short-circuit Test Current	AC 250mA max
Open-circuit Test Current	AC 40V max
Test Frequency	128Hz/111Hz/105Hz/94Hz(AFC)
Data Storage	2000 groups
Automatic Shutdown	15 Minutes after power on, will automatic shut down without any operation
LCD Dimension	LCD Frame Dimension: 128mmX75mm; LCD Display Dimension: 124mmX67mm
Tester Dimension	280mm(L)X260mm(W)X160mm(H)
Total Weight	6130g(include accessories)
Working Current	Standby: around 25mA (Backlight close); Measurement: 100mA (Backlight close)
Test Wires	Red 20m, black 20m, yellow 10m, green 10m, red 1.6m, black 1.6m (total 6 pcs wires)
USB Interface	With USB interface, software monitoring, storage data can be uploaded to computer, saved and printed
Bluetooth Communication	Support the bluetooth communication function of Android system, after installation the APP, mobile terminals can be used to testing operations and view test records
Alarm Function	Measure value exceed alarm setting value, will "Toot-toot-toot" alarm indication
Battery Voltage	While battery voltage decreases to around DC 7.2V±0.1V, will display low battery voltage symbol"  ", and remind to replace the battery
Accessories	Tester: 1PC; Current Clamp Sensor: 2PCS; Ground Rod: 4PCS; Testing wires: 6PCS; USB communication cable : 1PCS; Special charger: 1PCS; Tester bag: 1PCS