



EK-C310C Earth Resistance /Soil Resistivity Tester

Product Function

Precision 4-wire method, 3-wire method and simple 2-wire method earth resistance measurement, soil resistivity measurement, earth voltage measurement.

Product Features

1. Adopts FFT (Fast Fourier Transform) technology, AFC (Automatic Frequency Control) technology, with unique anti-interference ability and environmental adaptability, and strong repeat test consistency.
2. Uses waterproof protection case, which is waterproof, anti-collision, anti-drop and durable, and equipped with a large-capacity rechargeable lithium battery pack, especially suitable for use at outdoor construction sites.
3. The host is equipped with an ultra-large LCD display, with white backlight and bar graph indication, clear at a glance. The tester has audible and visual alarm function, overload protection function, automatic shutdown and data upload function.
4. Support Bluetooth communication function of Android system, after installing APP, can use the mobile terminal to operate testing and reading the test records, with the good and new experience.



Technical Specification

Earth Resistance (R)	Range: 0.000~30.00KΩ	Resolution: 0.001Ω	Accuracy: ±2%rdg±3dgt
Earth Voltage	Range: AC/DC 0.0~600V	Resolution: 0.1V	Accuracy: ±2%rdg±3dgt
Soil Resistivity (ρ)	Range:0.000Ωm~9.999Ωm	Resolution:0.01Ωm	Accuracy: According to the precision of R (ρ=2πaR, a:1 m-100m, π=3.14)
	Range:0.00Ωm~99.99Ωm	Resolution:0.01Ωm	
	Range:100.0Ωm~999.9Ωm	Resolution:0.1Ωm	
	Range:1000Ωm~9999Ωm	Resolution:1Ωm	
	Range:10.00kΩm~99.99kΩm	Resolution:10Ωm	
	Range:100.0kΩm~999.9kΩm	Resolution:100Ωm	
	Range:1000kΩm~9000kΩm	Resolution:1kΩm	
Power Supply	DC 7.4V 2600mAh rechargeable lithium battery, full charge about DC 8.4V		
Display Screen	4-digit ultra-large LCD display, display area: 124mm×67mm		
Measurement Method	Earth Resistance: rated current change-pole method, test current > 20mA (sine wave)		
	Soil Resistivity: 4-pole method (Wenner method)		
	Earth Voltage: average rectification(between P(S)-ES)		
Test Frequency	128Hz/111Hz/105Hz/94Hz(AFC)		
Test Voltage Waveform	Sine wave		
Test Current	> 20mA (sine wave)	Open-circuit Test Voltage	AC 40V max
Data Storage	300 groups	Data Hold	Data hold function: “ HOLD ” symbol display
Data Access	Data access function: “ READ ” symbol display	Overflow Display	Over range overflow function: “ OL ” symbol display
Alarm Function	When the measured value exceeds the alarm setting value, a "Du--du--du" alarm sound will be given.		
Automatic Shutdown	10 minutes without any operation after starting up, the tester will shut down automatically		
Overload Protection	Measure earth resistance: between each interface of C(H)-E , P(S)-ES , AC 280V/3 seconds		
Interference Test	Automatically identifies the interference signal, " NOISE " symbol displayed when interference voltage exceeds 5V.		
Auxiliary Earth Test	With auxiliary earth resistance test function: 0.00KΩ-30kΩ(100R+rC <50kΩ, 100R+rP <50kΩ)		
Battery Voltage	When battery voltage drops to about DC 7.2V±0.1V, the low battery voltage symbol  is displayed, reminding to charge in time.		
Working Current	Standby: 20mA (Backlight off); Power on with backlight: 45mA(backlight off 25mA); Measurement:100mA (Backlight off)		
USB Communication	Equipped with USB interface, with PC software, storage data can be uploaded to computer, saved and printed.; Communication cable length:1.5m		
Bluetooth Communication	With mobile APP, test data can be viewed on mobile terminal.		
Meter Dimensions	280mm(L)X260mm(W)X160mm(H)		
Meter Weight	Total Weight: 6.3kg(Include accessories and package)		
Accessories	Tester:1PC; Auxiliary ground rods:4PCS; Test wires:4PCS; Simple test wires:2PCS; USB communication cable:1PCS; Tool bag:1PCS; Charger(DC 8.4V): 1PCS		

