



### 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. Import FFT (fast fourier transform) technology, AFC (automatic frequency control) technology, with unique anti-interference ability and environment adaptability, with strong retest consistency.
2. Packing with waterproof protection case, which is waterproof, crash proof, anti-drop and durable, and equip with the large-capacity rechargeable lithium battery pack, especially suitable for using at outdoor construction site.
3. The host equip with large LCD, with white backlight and bar graph indication which can reading clearly and obvious. And 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

<b>Earth Resistance (R)</b>	Range: 0.00~30.00KΩ	Resolution: 0.01Ω	Accuracy: ±2%rdg±3dgt
<b>Earth Voltage</b>	Range: AC 0.0~600V	Resolution: 0.1V	Accuracy: ±2%rdg±3dgt
<b>Soil Resistivity (ρ)</b>	Range:0.00Ωm~99.99Ωm	Resolution:0.01Ωm	Accuracy: According to the precision of R ( $\rho=2\pi aR$ , a:1 m-100m, $\pi=3.14$ )
	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	
<b>Power Supply</b>	DC 7.4V 2600mAh rechargeable lithium battery, full charge about DC 8.4V		
<b>Measurement Method</b>	Earth Resistance: rated current change-pole method, measure current 20mA Max Soil Resistivity: 4-pole method (Wenner method) Earth Voltage: average rectification(between P(S)-ES)		
<b>Test Frequency</b>	128Hz/111Hz/105Hz/94Hz(AFC)		
<b>Test Voltage Wave</b>	Sine wave		
<b>Test Current</b>	AC 20mA max	<b>Open-circuit Test Voltage</b>	AC 40V max
<b>Data Storage</b>	300 groups	<b>Data Hold</b>	Data hold function: "HOLD" symbol display
<b>Data Access</b>	Data access function: "READ" symbol display	<b>Overflow Display</b>	Over range overflow function: "OL" symbol display
<b>LCD Dimension</b>	LCD size: 128mmX75mm; LCD Display area:124mmX67mm		
<b>Tester Dimension</b>	280mm(L)X260mm(W)X160mm(H)		
<b>Weight</b>	Total Weight: 6.3kg(Include accessories and package)		
<b>Tes Line</b>	Red 20m, black 20m, yellow 10m, green 10m, red 1.6m, black 1.6m (total 6PCS)		
<b>Auxiliary Ground Stake</b>	4PCS: φ9mmX230mm		
<b>USB Interface</b>	Equip with USB interface, software monitoring, storage data can be uploaded to computer, saved and printed; Communication cable length:1.5m		
<b>Alarm Function</b>	When the measured value exceed alarm setting value, will have "Du-du-du" alarm sound		
<b>Automatic Shutdown</b>	15 minutes without any operation after starting up, the tester will shutdown automatically		
<b>Overload Protection</b>	Measure earth resistance: between each interfaces of C(H)-E、P(S)-ES, AC 280V/3 seconds		

<b>Interference Test</b>	Automatic identify the interference signal, interference voltage higher than 5V will display <b>"NOISE"</b> symbol
<b>Auxiliary Earth Test</b>	With auxiliary earth resistance test function: $0.00\text{k}\Omega\text{-}30\text{k}\Omega(100\text{R}+\text{rC}<50\text{k}\Omega, 100\text{R}+\text{rP}<50\text{k}\Omega)$
<b>Protection Level</b>	IP65(close the case)
<b>Battery Voltage</b>	While battery voltage drop to DC $7.2\text{V}\pm 0.1\text{V}$ , low battery voltage symbol"  " will display, and remind to Charge in time
<b>Working Current</b>	Standby: 20mA (Backlight off); Power on with backlight: 45mA(backlight off 25mA); Measurement:100mA (Backlight off)
<b>Accessories</b>	Tester:1PC; Ground stake:4PCS; Test line:4PCS; Simple test line:2PCS; USB communication cable:1PCS; Tool bag:1PCS; Special charger: 1PCS