

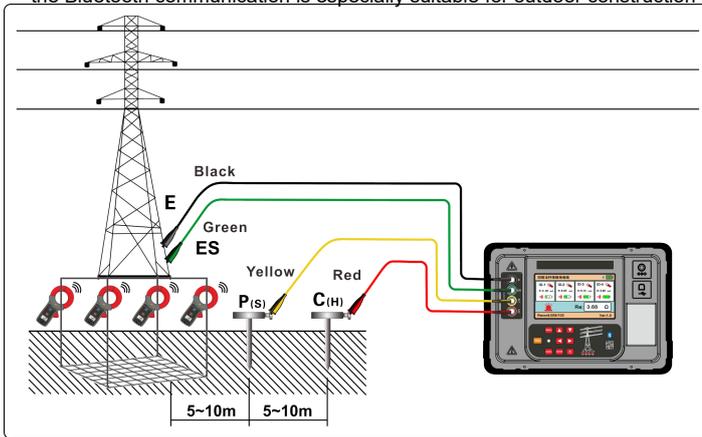


### Product Function

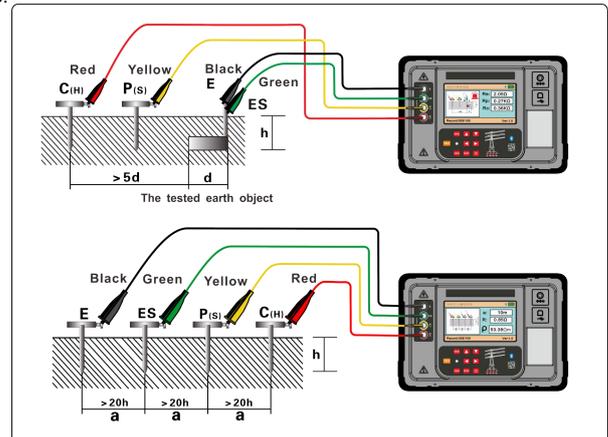
4-Clamps method measure pylon earth resistance; 2/3/4-wires method measure earth resistance; Soil resistivity measurement; AC current measurement; Earth potential(earth voltage) measurement.

### Product features

1. 4-clamp method measure the pylon earth resistance, which is no need to trip the pylon and grounding network, fast and safe, time-saving and labor-saving.
2. Use 2/3/4-wire method measure the earth resistance & soil resistivity, and the tester also can measure earth voltage and AC leakage current. The clamp current sensors can be used as clamp ammeter.
3. The host equip with 7-inch large colorful screen, built-in printer and large-capacity rechargeable lithium battery pack, packing with waterproof case. And the Bluetooth communication is especially suitable for outdoor construction sites.



4-Clamp Pylon Earth Resistance Measurement



4-wire Earth Resistance / Resistivity Measurement

### Measurement Accuracy

Function	Measurement Range	Accuracy	Resolution
Earth Resistance (R) (4-clamp Method)	0.10Ω~20.00Ω	±10%rdg±5dgt	0.01Ω
	20.0Ω~200.0Ω		0.1Ω
Earth Resistance (R)	0.10Ω~20.00Ω	±2%rdg±3dgt	0.01Ω
	20.0Ω~200.0Ω	±2%rdg±3dgt	0.1Ω
	200Ω~2000Ω	±2%rdg±3dgt	1Ω
	2.00kΩ~20.00kΩ	±4%rdg±3dgt	10Ω
Soil Resistivity (ρ)	0.00Ωm~99.99Ωm	(ρ=2πaRa:1m~100m; π=3.14)	0.01Ωm
	100.0Ωm~999.9Ωm		0.1Ωm
	1000Ωm~9999Ωm		1Ωm
	10.00kΩm~99.99kΩm		10Ωm
	100.0kΩm~999.9kΩm		100Ωm
	1000kΩm~9000kΩm		1kΩm
AC Current (A~)	1.00mA~50.00mA	±2%rdg±3dgt	0.01mA
	0.50A~5.000A	±2%rdg±3dgt	0.001A
	5.0A~500.0A	±3%rdg±3dgt	0.1A
Earth Voltage (V~)	0.0V~200.0V	±2%rdg±3dgt	0.1V

## Technical Specification

<b>Power Supply</b>	DC7.4V 5200mAh rechargeable lithium battery, full charge about 8.4V
<b>Measurement Range</b>	4-clamp method measure earth resistance: 200Ω
	Earth Resistance: 0.00Ω~20.00kΩ
	Soil Resistivity: 0.00Ωm~9000kΩm
	AC Current: 1.00mA~500.0A
	Earth Potential (Voltage): 0.0V~200.0V
<b>Measurement Method</b>	Pylon earth resistance: 4-clamp method
	Earth resistance: rated current change-pole method
	Soil resistivity: 4-pole method (Wenner method)
	AC Current: Clamp CT, RMS value acquisition
	Earth potential(Voltage): Shunt voltage, RMS collect
<b>CT Size</b>	Φ68mm
<b>Test Frequency</b>	128Hz/111Hz/105Hz/94Hz(AFC)
<b>Short-circuit Test Current</b>	AC 55mA max
<b>Open-circuit Test Voltage</b>	AC 15V max
<b>Test Voltage Wave</b>	Sine wave
<b>LCD Dimension</b>	7-inch colorful screen, LCD size: 151mmX83mm
<b>Tester Dimension</b>	355mm(L)X272mm(W)X164mm(H)
<b>Standard Test Line</b>	4PCS: red 20m, black 20m, yellow 10m, green 10m
<b>Simple Test Line</b>	2PCS: red 1.6m, black 1.6m
<b>Auxiliary Ground Stake</b>	4PCS: φ9mm×230mm
<b>Measurement Time</b>	Earth resistance, soil resistivity: 30s/times
<b>Communication Interface</b>	Equip with USB terminal, software monitoring, stored data can upload to PC, save and print
<b>Printer</b>	Built-in type
<b>Data Storage</b>	100 groups, "001/100" store indication, display "100/100" indicate full storage
<b>Overflow Indication</b>	Over range overflow will indicate "OL" symbol
<b>Auxiliary Earthing Test</b>	With the function of auxiliary earth resistance test, 0.00KΩ~20kΩ(100R+rC<20kΩ, 100R+rP<20kΩ)
<b>Alarm Function</b>	Measured value exceed the alarm setting value, will indicate "🔔" alarm symbol
<b>Automatic Shutdown</b>	30 minutes without any operation after starting up, the tester will shutdown automatically
<b>Battery Voltage</b>	While battery voltage drop to around DC 7.2V±0.1V, will display low battery voltage symbol "🔋", and remind to charge
<b>Working Current</b>	Stand by: about 400mA; Measurement: 550mA
<b>Total Weight</b>	9000g(include accessories)
<b>Working Temperature</b>	-10℃~40℃; below 80%RH
<b>Store Temperature</b>	-20℃~60℃; below 70%RH
<b>Overload Protection</b>	Measure earth resistance: between each interfaces of C(H)-E、P(S)-ES, AC 280V/3 seconds
<b>Protection Level</b>	IP65(close the case)
<b>Insulation</b>	Above 20MΩ (between the circuit and shell is 500V)
<b>Suitable Safe Standard</b>	IEC61010-1(CAT III 300V, CAT IV 150V, Pollution level 2); IEC61010-031; IEC61557-1(earth resistance); IEC61557-5 (soil resistivity); JJG 366-2004
<b>Accessories</b>	Tester:1PC;Clamp current sensor: 4PCS; Ground stake: 4PCS; Test lines:4PCS; Simple test lines: 2PCS; USB communication cable:1PCS; Tool bag: 1PCS; Special recharger: 1PCS; Calmp current sensor 4in1 charge cable and charger: 1set; Print paper: 1roll

