

T-213H

HANDHELD MICROOHM METER

The T-213H handheld Micro-ohm meter also known as transformer DC resistance tester, DC resistance fast tester and grounding continuity tester, adopts Microprocessor technology and four wire method for testing, which is safe, precise and reliable. It is mainly used to measure the resistance of transformer winding, winding resistance of transformer, conduction test of grounding down lead, conductor resistance of cable, switch, connector, contact resistance of relay, coil, motor, and connection electricity between metal components of equipment shell, lightning strip, ground beam, structure, cabinet, steel bar, water pipe, window, guardrail, radiator, assembly line and other objects Resistance test. It is widely used in telecommunication, electricity, meteorology, computer room, oil field, power distribution line, transmission line of iron tower, gas station, factory grounding grid, lightning rod, etc.

Application

1. Testing resistance of relay;
2. Testing resistance of coil;
3. Testing contact resistance etc.
4. Testing low value resistance;
5. Testing motor winding resistance;
6. Testing metal riveting resistance;
7. Testing resistance of connector;
8. Testing conductor resistance of cable;
9. Testing contact resistance of switch;
10. Measure DC resistance of transformer;
11. Testing continuity of grounding grid connection;
12. Testing winding resistance of instrument transformer;
13. Testing connection resistance test between metal components;



Features

1. High accuracy 0.2%;
2. With rechargeable lithium battery;
3. Storage 500groups test data;
4. Wide measuring range 10.0uΩ-50.00kΩ;
5. Designed for rugged field use;
6. Easy to operate, auto test resistance value;
7. Communication:with USB port;
8. Handheld and lightweight, weighs only 1kg;
9. With big color touch LCD display;
10. Using four wire method for testing resistance;
11. Test Current 10A, 5A, 1A, 0.1A, 10mA, 1mA optional;

Parameters

Electrical parameters	
Power supply	DC 12.6V 2500mAh lithium battery
Test range	10.0uΩ-50.00KΩ
Test Current output	10A, 5A, 1A, 0.1A, 10mA, 1mA
Test Method	Four wire test
Test range	Accuracy and Resolution
10.0uΩ~1000.0uΩ (10A)	Accuracy 0.2%FS±2bit Resolution 0.1uΩ
1.00mΩ~100.00mΩ (10A)	Accuracy 0.2%FS±2bit Resolution 0.01mΩ
100.0mΩ~1000.0mΩ (5A)	Accuracy 0.2%FS±2bit Resolution 0.1mΩ
1.000Ω~10.000Ω (1A)	Accuracy 0.2%FS±2bit Resolution 0.001Ω
10.00Ω~100.00Ω (100mA)	Accuracy 0.2%FS±2bit Resolution 0.01Ω
100.0Ω~1000.0Ω (10mA)	Accuracy 0.2%FS±2bit Resolution 0.1Ω
1.000KΩ~10.000KΩ (1mA)	Accuracy 0.2%FS±2bit Resolution 0.001KΩ
10.00KΩ~50.00KΩ (1mA)	Accuracy 0.2%FS±2bit Resolution 0.01KΩ
Accuracy	0.2%FS±2bit
Resolution	Min 0.1μΩ
Max storage volume	500 SETS
LCD	108 mm×65mm color touch LCD display
Communication	USB Port
Maximum short circuit current	10A
Overload protection	Yes
Automatic discharge	Yes
Test Cable	5m
Test method	Four fire
Degree of protection	IP53
Insulation Resistance	>10MΩ (500V between circuit and shell)
Withstand voltage	AC 3.7KV / RMS (between circuit and housing)
Standard	IEC61010-4-3, IEC61010-1, CAT III 600V, Pollution Level 2, JJG724-1991 《verification regulation of DC digital ohmmeter》, JJG166-1993 《Verification regulation of DC resistor》, DL/T967-2005 《Verification regulation of loop resistance tester and DC resistance fast tester》
Mechanical parameters	
Dimension (L×W×H) (mm)	240x188x85
Weight (kg)	1 (with battery) ; 0.85 (test cable)
Environmental conditions	
Operating temperature	-20°C to 50°C
Storage temperature	-40°C to 70°C
Relative humidity	≤95%RH