

## T-3730

### GROUND PILE RESISTANCE CLAMP TESTER

The T-3730 ground pile resistance clamp tester uses 2.4-inch color screen design, with clamp resistance, three or four wire resistance, AC voltage, current measurement functions, and also has data storage, data access, alarm, automatic shutdown and other functions. The ground-pile clamp ground resistance tester is controlled by a microprocessor and can accurately detect ground resistance. It uses fast filtering technology to minimize interference. At the same time with data storage and data upload functions.

The T-3730 ground pile resistance clamp is beautiful and high-grade, wide range, high resolution, convenient operation, easy to carry, accurate, reliable, stable performance, strong anti-interference ability. It also has a shock-proof, dust-proof, and moisture-proof structure. It is a commonly used and indispensable instrument for telecommunications, electric power, meteorology, computer rooms, oil fields, electronic mechanical installation and maintenance, and industrial enterprises that use electricity as industrial power or energy. This model T-3730 ground pile resistance clamp is suitable for measuring grounding resistance of various telecommunications, electricity, meteorology, computer rooms, oil fields, power distribution lines, transmission lines of iron towers, gas stations, factory grounding grids, lightning rods, etc.

### Application

1. Universities;
2. Power plant;
3. Oil gas company;
4. Research institutes;
5. Electrical laboratory;
6. Electrical testing center;
7. Telecommunication company;
8. Railway electrical department;
9. Electrical equipment manufacturers;
10. Electricity power bureau & power company;
11. Power engineering commissioning company;
12. Electrical Department of industrial and mining enterprises;



## Functions & Features

1. 500 group storage;
2. Testing AC voltage;
3. Testing loop resistance;
4. Testing leakage current;
5. Testing ground resistance;
6. User friendly operation;
7. Quick self-test function;
8. Real time clock function;
9. USB Data upload function;
10. Bluetooth communication;
11. 2.4inch touch color display;
12. Clamp resistance range 0.01-2000Ω;
13. Built-in rechargeable battery;
14. 4/3/2 pile method range 0.00Ω-30kΩ;
15. Ground voltage range 0-600V AC;
16. Soil resistivity range 0.00Ω-9999kΩm;
17. This new design for clamp long life;
18. Using fast filtering technology, strong anti-interference ability;

## Parameters

Electrical parameters	
Model	T-3730A 0-1500Ω, 0-40A, 0-3000Ω(3w/4w method); T-3730B 0-1800Ω, 0-50A, 0-30kΩ(3w/4w method), 0.00Ω-9999kΩm;
Power Supply	DC 3.7 V lithium battery
Resistance Range	0.01-2000Ω; 0.01-1800Ω; 0.01-1500Ω;
Resistance Resolution	0.001Ω
Resistance Accuracy	±1%±0.01Ω
Current Range	0.00mA-60.0A
Current Resolution	0.001mA
Current Accuracy	±2.5%±1mA
Voltage Range	0.00V-600.0V
Voltage Resolution	0.01V
Data memory	500 Sets
LCD Screen	2.4 inch color touch LCD screen display, Screen L×W: 46mm×29mm
Clamp Opening	68mm
Protection Level	Dual Insulation
Structural Feature	Clamp CT
Shifting	Automatic shifting
External magnetic field	< 40A/m
External electrical field	< 1V/m
Single measurement time	0.5 second
Resistance measurement frequency	> 1KHz
Measured current frequency	50/60Hz Automatic measurement

## Electrical parameters - continued

Power Consumption	Max 75mA either in booting up or normally working, Continuously working for 20 hours
Safety Standard	IEC61010-1(CAT III 300V, CAT IV 600V, Pollution Degree 2); IEC61010-032; IEC/EN61557-5, 13, 16; IEC61326
Communication port	USB, Bluetooth;
PC software	Yes

## Mechanical parameters

Dimensions (L×W×T) (mm)	273mm×106mm×53mm
Weight (kg)	1 (With batteries)

## Environmental conditions

Operating temperature	-10°C to +50°C
Storage temperature	-40°C to 70°C
Relative humidity	≤90%RH

## Accessories

