

T-3720

EARTH RESISTANCE CLAMP TESTER

T-3720 earth resistance clamp tester is a ground resistance measurement instrument. It uses a new generation of LCD black screen backlight display and microprocessor technology. Ω +A synchronously displays the grounding resistance by induction. It does not need to measure the grounding system in the loop. It is safe and fast to disconnect the earth-ing lead off line without auxiliary electrodes. It is widely used in telecommunications, electric power, meteorology, engine room, oil field, power distribution line, tower transmission line, gas station, factory grounding grid, lightning rod and so on. The instrument has the characteristics of accurate, fast, simple, stable and reliable.

T-3720 earth clamp tester is controlled by microprocessor, accurate detection of earth resistance, leakage current. It uses fast filtering technology to minimize interference. At the same time, 500 groups of data can be stored. It can monitor data online through monitoring software, upload USB data to PC, and have unique functions such as numerical maintenance and intelligent alarm prompt. This model T-3720 earth resistance clamp meters are particularly suitable for measuring earth resistance in various installations such as buildings, pylons and RF transmitter sites without system disconnection. In addition, they can be used for the inspection and verification of lightning protection systems and virtually any installation where a current loop can be generated.

Application

1. Power plant;
2. Universities;
3. Oil gas company;
4. Research institutes;
5. Electrical laboratory;
6. Electrical testing center;
7. Communication 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. Ω + A screen display;
3. Testing leakage current;
4. User friendly operation;
5. Testing earth resistance;
6. Testing loop resistance;
7. Real time clock function;
8. Quick self-test function;
9. Resistance range 0.01-1200 Ω ;
10. This isolation USB technology, safe and reliable;
11. Panel operation with 6 buttons;
12. This new black screen design, high-end luxury;
13. This new design for clamp long life;
14. Using fast filtering technology, strong anti-interference ability;

Parameters

Electrical parameters	
Model	T-3720, including USB & clock function; 0-1200 Ω , 0-20A T-3720A, including USB & clock function; 0-1500 Ω , 0-40A T-3720B, Price is cheap, function simply, 0-500 Ω
Power Supply	6VDC 4 PCS of AA Alkaline LR6 batteries
Resistance Range	0.01-1500 Ω ; 0.01-1200 Ω ; 0.01-500 Ω
Resistance Resolution	0.001 Ω
Resistance Accuracy	$\pm 1\% \pm 0.01\Omega$
Current Range	0.00mA-20.0A; 0.00mA-40.0A
Current Resolution	0.05mA
Current Accuracy	$\pm 2.5\% \pm 1mA$
Data memory	500 Sets
Alarm Threshold Setting Range	Resistance: 1-199 Ω
Setting Range of Current Alarm Critical Value	1mA -499mA
LCD Screen	4 Digits Black LCD display, Screen L×W: 47mm×28.5mm
Clamp Size	55mm×32mm
Clamp Opening	32mm
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
Power Consumption	Max 50mA either in booting up or normally working, Continuously working for 30 hours

Electrical parameters - continued

Safety Standard	IEC/EN61010-1; IEC1010-2-032; Pollution level 2, CAT IV(600V)
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Communication port	USB port
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Mechanical parameters

Dimensions (L×W×T) (mm)	285mm×85mm×58mm
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Weight (kg)	1.18 (With batteries)
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Environmental conditions

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

