



Quality is the lifeblood of industrial products; every screw is the object we concerned.

TE1510 Ground Impedance Tester

Brief Introduction:

Used to measure grounding resistance, the instruments adopts different frequency multi-source method in one measurement .The computer control the output frequency of power supply and collect and process data, eliminating the interference between the measurement leads line impact. This instrument also adopts hardware and software filtering technology to reduce measurement errors caused by power frequency. Further improvement of the SNR makes the measurement results more stable and reliable.

Appearance and configuration:



Main features:

- ◆ Power frequency equivalence is good. Test current waveform is sine wave, difference between frequency and power frequency is only 5Hz, adopts 45Hz and 55Hz two frequencies to measure.
◆ Strong anti-interference ability. This instrument adopts different frequency measurement, with modern hardware and software filtering technology that enables equipment with high anti-interference ability, test data is reliable. In the interference of 10V power frequency it can still guarantee the accuracy of 1%.
◆ High precision. Fundamental error is only 0.005Ω can be used to measure the large-scale ground resistance of small grounding impedance.
◆ Powerful functions. It can measure all the parameters of grounding device of relevant standard Provisions. Not only measure ground resistance, can also measure the resistance component and reactance component.
◆ Measurable on-site interference, facilitate the user to estimate measurement error.
◆ Simple to operate. Chinese menu-type operations, direct display test results.



◆ 50 groups of measurement data can be saved, and comes with mini printer can print measurement results on-site.

- ◆ Small amount of wiring work, no high-current lines.
- ◆ The equipment is small, light weight, easy to carry.

● **Technical Parameters:**

- ◆ Power Supply: AC220V±10% , 50Hz
- ◆ Measurement line: Current line copper core cross-sectional area $\geq 0.5\text{mm}^2$
- ◆ Measurement Accuracy: The Accuracy Rating of the instrument is one grade .
- ◆ Requirements: Voltage line copper core cross-sectional area $\geq 0.2\text{mm}^2$
- ◆ Resolution: 0.001 Ω
- ◆ Maximum output current: 1A
- ◆ Maximum output voltage: 100V
- ◆ Impedance measurement range: 0~200 Ω
- ◆ Measurement error: $\pm (\text{reading} \times 1\% + 0.005\Omega)$
- ◆ Anti-interference ability of power frequency 50Hz voltag: 10V
- ◆ Test Current Waveform: Sine wave
- ◆ Test current frequency: 45Hz、55Hz Dual frequency
- ◆ Dimensions: 440×350×210mm
- ◆ Weight: 7.5kg

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