CHARACTERISTICS

This instrument is a special instrument for measuring the characteristic parameters of grounding device. The instrument adopts new frequency conversion ac power supply and frequency anti-interference technology, and adopts 32-bit ARM processor control and signal processing, which can be accurately measured in the substation's strong interference environment. The results are displayed on a large LCD screen, with a micro printer and usb flash disk storage. It mainly has the following functions:

1. Measure the grounding resistance or resistance of the grounding device.
2. Measure the conductive impedance or resistance between grounding devices.
3. Measure soil resistivity.

Technical specifications

1.the grounding impedance measurement range: 0 ~ 5000 Ω, resolution: 0.001 m Ω

2. the measurement accuracy: + / - (reading by 1% plus or minus 0.01 Ω)

3. Connection method: standard quadrupole method

4. Automatic measurement

5. test frequency: single frequency 40 Hz, 45 Hz, 47.5 Hz, 50 Hz, 52.5 Hz, 55 Hz, 60 Hz and 65 Hz

Dual-frequency 45/55 Hz, 55/65 Hz, 45/55 Hz, 40/60 Hz

Accuracy: + / - 0.01 Hz

6. Current output :1.0 ~ 5.0a, 1A step

7. Maximum output voltage: 400V

8. Main protection: ground protection, mis-connected 380V protection, audible and visual alarm, etc

9. Requirements for the measurement line: the copper core area of the current line is not less than 1.5mm2, and the copper core area of the voltage line is not more than 1.0mm2

10. Working power :180V ~ 270VAC/10A, 50Hz + / - 1%

11. Data storage: 100 sets of measurement data are stored

12. Communication interface: standard rs-232 interface /USB interface

13, working environment: - 10 ~ 50 ℃ temperature humidity < 90%

14. Instrument weight :21kg(excluding cables)

15. Size: main engine length is 290mm * width 230 * height and 335mmmm