FR2000+ Series Clamp Earth Resistance Tester



Ⅰ. Characteristic

FR2000+ series clamp grounding resistance tester is a new generation of grounding resistance tester carefully developed by our company's technical team. It adopts a new generation of LCD black screen backlight display and microprocessor technology. It is convenient and quick to measure the grounding resistance. When measuring the grounding system with loop, there is no need to disconnect the grounding down-conductor or auxiliary electrode, which is safe and fast. Widely used in telecommunications, electricity, meteorology, computer rooms, oil fields, power distribution lines, tower transmission lines, gas stations, factory grounding grids, lightning rods, etc. The instrument has the characteristics of accurate, fast, simple, stable and reliable testing.

FR2000+ series clamp earth resistance tester is controlled by microprocessor, which can accurately detect earth resistance and leakage current. It uses fast filtering techniques to minimize interference. Store 300 sets of data at the same time.

★Resistance range: 0-1200Ω
★Current range: 0-20A
★New black screen design, high-end luxury
★Ω + A display on the same screen
★Quick self-check function, no need to wait
★Using fast filtering technology, strong anti-interference ability
★New design, long life of clamp head
★300 groups of storage

Ⅱ. Model comparison

Model	**FR2000A+**	**FR2000+**	**FR2000B+**	**FR2000C+**
Resistance range	0.01Ω-200Ω	0.01Ω- 500Ω	0.01Ω-1200Ω	0.01Ω-1200Ω
Type	Practical	Basic	Explosion-proof	Multifunctional

Resistor Resolution	0.001Ω	0.001Ω	0.001Ω	0.001Ω
Current range	N/A	N/A	N/A	0.00mA-20A
Current resolution	N/A	N/A	N/A	0.01mA

Ⅲ. Technical Specification

Features	Ground resistance test, loop resistance test, leakage current test
Accuracy	Ground resistance accuracy: ±1% ±0.01Ω
	Current accuracy: ±2%±1mA
Ambient temperature and humidity	23℃±5℃, below 75%rh
Power supply	DC 6V (4 AA alkaline dry batteries)
Measurement method	mutual inductance
Jaw size	55mm×32mm
Ω + A synchronized display	Ω + A display on the same screen
Display mode	4-digit LCD display, black screen design
LCD size	46mm×29mm
Meter size	Length, width and height: 285mm×85mm×58mm
Measure time	2 times/sec
Data storage	300 groups, "MEM" storage indication, displaying "FULL" symbol means the storage is full
Data access	"MR" symbol indication when viewing data
Overflow display	"OL" symbol indication when overrange overflow
Interference test	Automatically identify interference signals, and the "NOISE" symbol indicates when the interference current is large
Alarm function	When the measured value exceeds the alarm setting value, an alarm prompt will be issued
Battery voltage	Real-time display of battery power, reminding to charge in time when the battery voltage is low
Automatic shut-down	"APO" instruction, automatically shut down after 5 minutes of power on
Power consumption	50mA Max
quality	Meter: 1180g (including battery)
Working temperature and humidity	-10℃～40℃; below 80%rh
Storage temperature and humidity	-20℃～60℃; below 70%rh
Insulation resistance	Above 20MΩ (500V between circuit and case)
Pressure resistance	AC 3700V/rms (between circuit and case)
External magnetic field	<40A/m
External electric field	<1V/m
Suitable for safety regulations	IEC61010-1 (CAT III 300V, CAT IV 150V, pollution degree 2);

Ⅳ. Packing List

Meter	1 set
Instrument box	1
AA dry battery	4pc
Calibration ring	1
Manual, Warranty	1 set

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