

FR2000C+ Clamp Ground Resistance Tester (Multifunctional)



I. Product Introduction

FR2000C+ clamp ground resistance tester is a new generation of groundless pile measurement method that our company's technical team meticulously developed. It uses a brand new generation of LCD, black screen backlight display and microprocessor technology to measure the grounding resistance through inductive method. Ω +A same screen display. When measuring a grounded system with a loop, it is not necessary to disconnect the ground lead wire, and no need for auxiliary electrodes. It is safe and fast. Widely used in telecommunications, electricity, meteorology, computer rooms, oil fields, power distribution lines, iron tower transmission lines, gas stations, factory grounding networks, lightning rods and so on. The instrument has the test precision, fast, simple, stable, reliable and other features

FR2000C+ clamp ground resistance tester is microprocessor controlled, can accurately detects ground resistance and leakage current. It uses a fast filtering technique to minimize interference. At the same time store 300 groups of data.

Resistance Range: 0.01 Ω -1200 Ω

Current Range: 0.00mA-20.0A

New black screen design, luxury

Ω +A same screen display

Quick self-test function without waiting

Using fast filtering technology, strong anti-interference ability

New design, long life clamp head

300 sets of storage

II. Technical Specification

Function	Ground resistant test, Loop resistance test, leakage current test		
Range	Ground resistance: 0.01 Ω -1200 Ω	Resolution: 0.001 Ω	Accuracy: $\pm 1\% \pm 0.01 \Omega$
	Current: 0.00mA-20.0A	Resolution: 0.01mA;	Accuracy: $\pm 2\% \pm 1mA$
Ambient temperature and humidity	23 $^{\circ}$ C \pm 5 $^{\circ}$ C, below 75%rh		
Power Supply	4 section 5 alkaline dry battery		

Measurement Method	Mutual induction
Clamp Diameter	55mm×32mm
Ω +A Synchronized display	Ω +A same screen display
Display Mode	4-digit LCD display, black screen design
LCD Dimension	46mm×29mm
Meter Dimension	W/T/H: 85mm×58mm×285mm
Sampling Speed	About 2 times/second
Data Storage	300 Groups, the symbol "MEM" gives indication, "FULL" mark will flash to indicate the memory has been full
Data Review	"MR" symbol indication when reviewing data
Overflow Display	Exceed measurement range overflow function: "OL" symbol display
Interference Test	Automatic identify interference signal, "NOISE" symbol indication when the interference current is large
Alarm Function	Alarm when the measured value exceeds the alarm setting value
Battery Voltage	Real-time display of battery power, reminding timely charging when battery voltage is low
Automatic shut-down	"APO" instruction, automatic shutdown after 5 minutes boot
Power Consumption	50MA Max
Weight	Instrument: 1180g (with battery)
Working Temperature and Humidity	-10°C~40C; below 80% rh
Storage Temperature and Humidity	-20°C~60C; below 70% rh
Insulation Resistance	20Ω or more (500V between circuit and outside)
Pressure Resistance	AC 3700V/rms(between circuit and outside)
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); IEC61010-031; IEC61557-1 (grounding resistance)

III. Accessories

Meter	1PC
Meter box	1PC
5# battery	4PCS
Calibration ring	1PC
Manual, certificate	1SET



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