

ES3020B Clamp Ground Resistance Tester (Multifunction)



I. Product Introduction

ES3020B 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

ES3020B 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 500 groups of data, online monitoring data through monitoring software, USB data uploaded to PC, and has unique features such as value retention and intelligent alarm prompting

ES3020B clamp ground resistance tester consists of host computer, monitoring software, test line, USB cable, and grounding pin. It has the functions of reading, viewing, saving, reporting and printing of historical data.

- ★ Resistance Range: 0.01 Ω -1200 Ω
- ★ Current Range: 0.00mA-20.0A
- ★ Ω +A same screen display
- ★ Fully isolated USB technology, can be connected to the computer
- ★ Real-time clock function
- ★ New black screen design, luxury
- ★ Quick self-test function without waiting
- ★ Using fast filtering technology, strong anti-interference ability
- ★ New design, long life clamp head
- ★ Safe and reliable, 500 sets of storage

II. Technical Specification

Function	Ground resistant test, Loop resistance test, leakage current test
Resistance Range	0.01 Ω -1200 Ω ; Resolution: 0.001 Ω ; Accuracy: $\pm 1\% \pm 0.01 \Omega$
Current Range	0.00mA-20.0A ; Resolution:0.01mA; Accuracy: $\pm 2\% \pm 1mA$
Power Supply	DC6V Alkaline Dry Battery (1.5V LR6 X 4)
Measurement Method	Mutual induction
Clamp Diameter	55mm \times 32mm
Clock Function	Have
Ω +A Synchronized display	Ω +A same screen display
Display Mode	4-digit LCD display, black screen design
LCD Dimension	46mm \times 29mm
Meter Dimension	W/T/H: 85mm \times 58mm \times 285mm
Sampling Speed	About 2 times/second
USB interface	With USB interface, software monitoring, storage data can be uploaded to the computer, save the print
Communication Line	USB communication line 1
Data Storage	500 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 $^{\circ}$ C~40C; below 80% rh
Insulation Resistance	20 Ω or more (500V between circuit and outside)
Pressure Resistance	AC 3700V/rms(between circuit and outside)
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
Monitoring Software CD	1PC
Calibration ring	1PC
USB communication line	1PC
Manual, certificate	1SET



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