

ES5001 Transformer Core Ground Current Tester



I . Characteristic

ES5001 transformer core grounding current tester, also known as current recorder, clamp current recorder, SD card current recorder, etc., is mainly designed to facilitate high-precision measurement of on-site current use status monitoring records, using large-capacity TF card storage. It ensures the high precision, high stability and high reliability of uninterrupted monitoring. It consists of a host, a current clamp, a communication line, a current monitoring software, and a memory card. It is widely used in electric power, communication, meteorology, railway, oil field, construction, measurement, scientific research and teaching units, industrial and mining enterprises and other fields.

ES5001 transformer core grounding current tester has real-time clock, large-screen display, USB data export and other functions that are convenient and easy to use. At the same time, it has a large storage space of TF card, which can store 9999 sets of data, and also has the function of automatic storage interval setting function, which can be set from 1 to 60 minutes.

ES5001 transformer core grounding current tester monitoring software has online real-time monitoring and historical query functions, and has historical data reading, viewing, saving, analysis, processing, sorting, reporting, printing and other functions.

II . Technical Specification

Range	0.0mA-1000A
Jaw size	Φ50mm
Resolution	0.1mA
Accuracy	±0.5%FS
Features	AC current measurement records, online monitoring records, line maintenance, fault finding
Power supply	DC6V NiMH rechargeable battery 1.2V×5

Test method	Clamp CT, mean current detection
Display mode	LCD: 128dots×64dots
Frequency	50/60Hz
Host size	Width, height and thickness 100mm×204mm×35mm
Current clamp size	Width, height and thickness 101mm×214mm×27mm
Quality	Host: 409g (including battery) Charger: 83.5g
	Current clamp: Current clamp: 468g
LCD size	Display area: 62mm×44mm
Sample rate	2 times/sec
Storage medium	TF card
Data storage	9999 groups (no data loss if power off or battery replacement)
Set time	Set the recording interval within 1 to 60 minutes, 0 minutes means no automatic storage
Record time	Work continuously for 2 days in power saving mode
Real Time Clock	Have
Clock setting function	Have
Data interface	Standard protocol, USB transmission
Line voltage	Line test below AC600V
Overflow display	Overrange overflow function: "OL" symbol display
Battery voltage	When the battery voltage drops to 5.2V, the low battery voltage symbol will be displayed to remind you to charge. The measured data is also accurate at this time.
Rated power	15mA in power saving mode, 25mA maximum
Lead length	Standard 2 meters
Working temperature and humidity	-10°C ~ 40°C; below 80%rh
Storage temperature and humidity	-10°C ~ 60°C; below 70%rh
Insulation resistance	Above 20MΩ, 1000V
Suitable for safety regulations	IEC1010-1, IEC1010-2-032, pollution degree 2, CAT III (600V) IEC61326 (EMC standard)

III. Model comparison

Model	ES5000	ES5001
Range	0.0mA-200A	0.0mA-1000A
Jaw size	Φ20mm	Φ50mm

Current clamp size	width, height and thickness 60mm×160mm×20mm	width, height and thickness 101mm×214mm×27mm
Quality	Current clamp: 260g	Current clamp: 468g

IV. Packing List

Recorder host	1 set
Current clamp	1
USB communication cable	1
2G TF card	1 piece
Monitoring software (CD-ROM)	1 piece
Instrument box	1
NiMH rechargeable battery 1.2V	Section 5
Charger	1
Manual, Warranty	1 set

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