

ES5000 High precision clamp ammeter



I. Product Introduction

ES5000 high-precision clamp ammeter is also known as current recorder, clamp current recorder, SD card current recorder, etc. It's meticulous design is mainly to facilitate the monitoring and recording of the current status of the high-precision measurement field. High-capacity TF card storage ensures high-precision, high stability, and high reliability without interruption, composed of host, current clamp, communication line, current monitoring software, memory card, etc. It is widely used in electric power, communications, meteorology, railways, oil fields, construction, measurement, scientific research and teaching units, industrial and mining enterprises and other fields.

ES5000 high-precision clamp-shaped ammeter has functions such as real-time clock, large-screen display, and USB data export, making it easy to use. At the same time, it has a large storage space of TF card, can store 9999 sets of data, and has an automatic storage interval setting function, which is set from 1 to 60 minutes.

ES5000 high-precision clamp ammeter monitoring software has online real-time monitoring and history query function, with historical data reading, review, save, analysis, processing, sorting, reporting, printing and other functions.

II、Technical Specification

Range	0.0mA-200A
Jaw size	Φ 20mm
Resolution	0.1mA
Accuracy	±0.5%FS
Function	AC current measurement record, online monitoring record, line maintenance, fault finding
Power	DC6V Nickel-metal hydride rechargeable battery 1.2V×5
Test method	Clamp CT, mean current detection
Display mode	LCD: 128dots×64dots
Frequency	50/60Hz
Host size	W/H/T: 100mm×204mm×35mm
Current clamp size	W/H/T: 60mm×160mm×20mm

Weight	Host: 409g (including battery) charger: 83.5g
	Current clamp: 260g
LCD size	Display area: 62mm×44mm
Sampling rate	2 times/sec
Storage medium	TF card
Data storage	9999 groups (Losing power or replacing the battery will not lose data)
time settings	Set the recording interval within 1 to 60 minutes, 0 minutes means not automatically stored
Record time	Continuous operation for 2 days in power saving mode (can be connected to the adapter for continuous recording)
Real-time clock	Have
Clock setting function	Have
Data interface	Standard protocol, USB transmission
Line voltage	Line test below AC600V
Overflow display	Over-range overflow function: "OL" symbol display
battery voltage	When the battery voltage drops to 5.2V, the battery voltage is low and the symbol is displayed, reminding you to charge. The measured data is also accurate.
rated power	15mA in power saving mode, up to 25mA
Lead length	Standard 2 meters
Working temperature and humidity	-10℃～40℃; below 80%rh
Storage temperature and humidity	-10℃～60℃; below 70%rh
Insulation resistance	20MΩ or more,1000V
Suitable for Safety Regulations	IEC1010-1、IEC1010-2-032、 pollution grade 2、 CAT III(600V) IEC61326(EMC standard)

III、Model comparison

model	ES5000	ES5001
Range	0.0mA-200A	0.0mA-1000A
Jaw size	Φ 20mm	Φ 50mm
Current clamp size	W/H/T: 60mm×160mm×20mm	W/H/T: 101mm×214mm×27mm

Weight	Current clamp: 260g	Current clamp: 468g
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IV. Accessories

Recorder host	1PC
Current clamp	1PC
USB communication line	1PC
2G TF card	1PC
Monitoring Software CD	1PC
Instrument box	1PC
Nickel-metal hydride rechargeable battery 1.2V	5 Section
charger	1PC
Manual, certificate	1SET



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