



ET8632

Clamp AC/DC Current Sensor

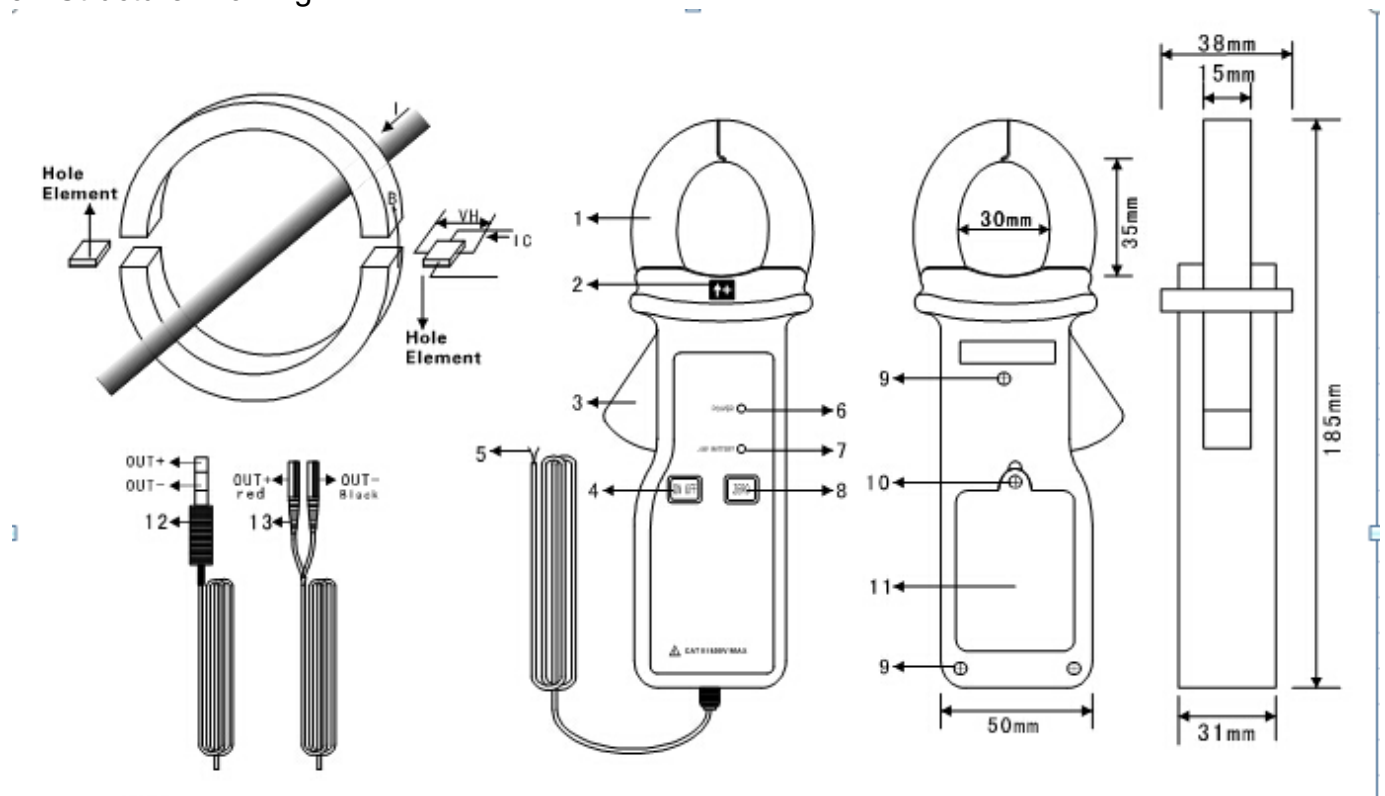
1. Introduction

This AC/DC Leakage Current Sensor Clamp is specially designed to test current and leakage of circuits below 600V, with small size, high accuracy, and good stability. It is widely applied in AC current leakage, current, power and energy measurement with high precision and small phase error of electricity, communications, meteorology, railway, oilfield, construction, measurement, scientific and research teaching unit, industrial and mining enterprises, which can be connected to a variety of high precision digital multi-meter and data recorder.

2. Technical Specification

Function	Measurement of AC/DC leakage current, current, phase, power energy, power, power factor
Power Supply	Alkaline dry battery, 6LR61 9VDC (can connect external power supply)
Rated Power	5mW
Test mode	Clamp CT
Clamp Size	25mm×30mm
Range	0.0-1000A AC/DC
Resolution	1mA AC/DC
Signal Output	1mV/1A (0.0-1000A/0-600mV DC/AC)
Accuracy	±2.0%FS(23°C±2°C, below 70%RH, keep the wire be in the center of clamp)
Phase Error	≤3°(AC 50Hz/60Hz; 23°C±2°C)
Zero Clearing	Press ZERO button to clearing, eliminate the influence of magnetic field on the DC testing
Output interface	BNC plug
Output Wire Length	2m
Measured Wire Position	Approximately in the geometric center of the clamp
Frequency Response	AC 45Hz-400Hz
Line Voltage	Under 600V DC measurement
Consumption current	20mA Max
Battery Voltage	LED lights up indicating low power when the battery voltage decrease to 7.2V. Then the battery have to be changed
Dimension	175mm×70mm×38mm
Weight	180g (with battery)
Working Environment	-15°C-45°C; below 80%rh
Storage Environment	-10°C-60°C; below 70%rh
Insulation Strength	AC3700V/rms (between core and shell)
Safety Rules	IEC1010-1, IEC1010-2-032, Pollution degree 2, CAT III(600V)
Accessory	Sensor: 1PC

3. Structure Drawing



1. Clamp
2. DC current positive input indicator
3. Trigger (open and close the clamp)
4. ON/OFF button, power key
5. Standard output wire: (red wire: positive output signal; yellow: negative output signal)
6. Power on indicator
7. Low battery voltage indicator
8. ZERO clearing button
9. Cover connection screw (3 pcs)
10. Battery cover fixed screw
11. Battery cover
12. Sensor output plug (3.5mm audio plug, optional)
13. Sensor output plug (Standard multimeter plug, optional)