

FR008 High-precision Clamp Current Sensor



I. Product Introduction

FR008 clamp current sensor is a high-precision AC current convertor. It adopts a clamp-shaped structure. It can be quickly and easily accessed and used. The compact size is easier to carry and use. Applicable to AC current, leakage current, high harmonic current, phase, electric energy, power, power factor and other tests.

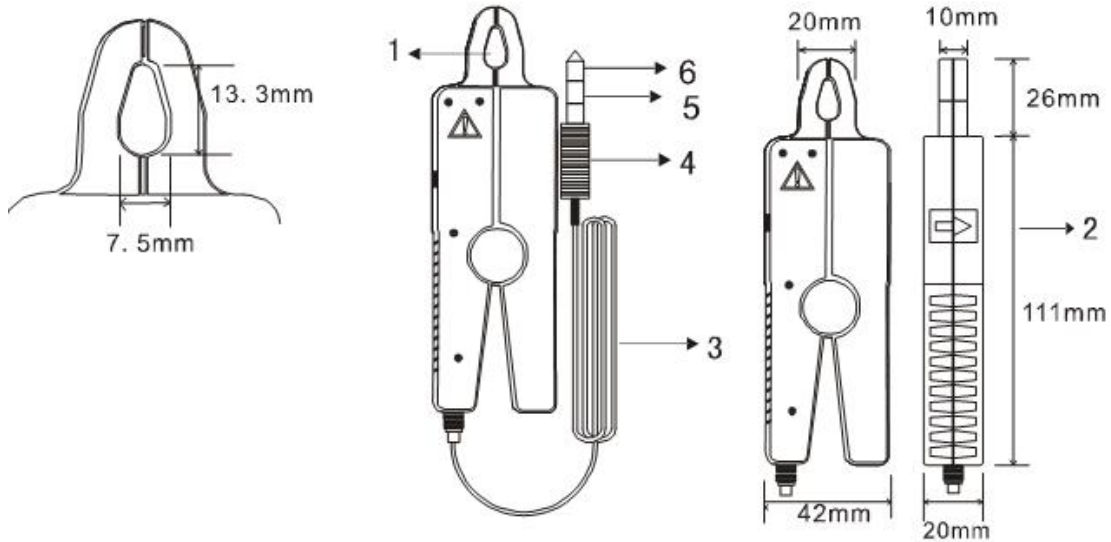
FR008 can be used with a variety of measuring instruments, such as: Field calibrator for watt-hour meter, multi-function energy meter, oscilloscope, digital multimeter, electrical identification device, cable fault detector, dual-clamp phase volt-ampere meter, three-phase digital phase Volt-ampere meter, etc., can measure and compare a variety of electrical parameters under constant power. Widely used in substations, power plants, industrial and mining enterprises and testing stations, electrical maintenance departments for current detection and field electrical work, etc.

II. Technical Specification

Features	Portable CT clamp structure, safe and convenient to use
Jaw Size	Φ7.5mm
Range	AC 0~30A
Resolution	AC 0.01mA
Accuracy	±0.2%FS(50Hz/60Hz; 23 °C±2 °C)
Phase Error	≤2°(50Hz/60Hz;23 °C±2°C)
Turn Ratio	2500: 1 (optional 2000:1; 1000:1)
Reference Load	RL: 0~300mA≤100Ω; 0~3A≤10Ω; 0~30A≤5Ω
Dimensions	L/T/H 42mmX 20mmx 137mm
Output Interface	3.5mm audio plug
Output Line Length	2m
Weight	180g
Output Method	Current sensing output
External Material	ABS resin, flame retardant rating 94V0
Line Voltage	600V AC (insulated wire) 30Vac (bare wire) test
Working Temperature	-25°C~55 °C
Insulation Resistance	100 MΩ @ 500Vdc
Medium Strength	AC3700V/rms (between iron core and shell)
Frequency Characteristics	10Hz~100kHz

III.Installation Dimensions

1. Clamp head
2. direction marker identification (identify the same name when phase detection)
3. Output leads
4. Sensor output plug (p3.5mm audio plug)
5. coil taps
6. coil taps



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