

FR020 Clam Current Sensor



I. Product Introduction

FR020 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.

FR020 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, digital current recorder, 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. Model specifications

Features	Portable CT clamp structure, safe and convenient to use
Jaw Size	Φ20mm
Range	AC 0~200A
Resolution	AC 0.1mA
Accuracy	±0.2%FS(50Hz/60Hz; 23 °C±2 °C)
Phase Error	≤3°(50Hz/60Hz;23 °C±2°C)
Turn Ratio	3000: 1 (can be customized)
Reference load	RL: 0~2A≤100Ω; 0~20A≤50Ω; 0~200A≤5Ω
Dimensions	L/T/H 50mmX 25mmx 160mm
Output Interface	3.5mm audio plug(Can be customized banana plug or BNC plug)
Output Line Length	2m
Weight	260g
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



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