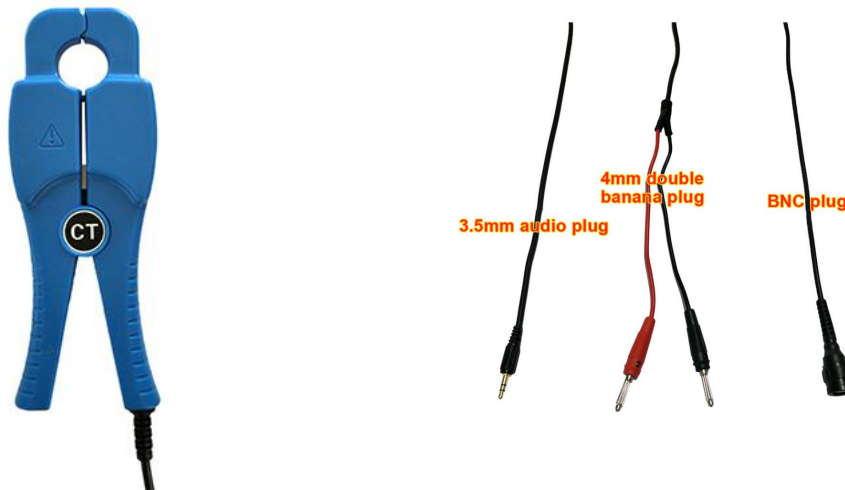


FR020 Clamp Current Sensor



I . Characteristic

FR020 clamp-shaped current sensor is a high-precision AC current converter, designed with a clamp-shaped structure, which can be quickly and easily taken and placed freely during use, and its compact size is easier to carry and more convenient to use. It is suitable for detection of AC current, leakage current, high harmonic current, phase, electric energy, power, power factor, etc.

FR020 can be used with a variety of measuring instruments, such as: electric energy meter field calibrator, multi-function electric energy meter, oscilloscope, digital multimeter, cable identification instrument, cable fault detector, double-clamp grounding resistance tester, double-clamp phase voltmeter Ammeters, digital current recorders, etc., can measure and compare various electrical parameters in the state of uninterrupted power. Widely used in substations, power plants, industrial and mining enterprises, testing stations, electrical maintenance departments for current testing and field electrical work.

II . Technical Specification

Features	Portable CT clamp-shaped 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)
Turns ratio	3000:1
Reference load	RL: 0~2A≤100Ω; 0~20A≤50Ω; 0~200A≤5Ω

Dimensions	Length 50mm×Thickness 25mm×Height 160mm
Output Interface	3.5mm audio plug
Output cable length	2m
Quality	260g
Output method	Current sense output
Shell material	ABS resin, flame retardant grade 94V0
Line voltage	Tested at 600Vac (insulated wire) 30Vac (bare wire)
Operating temperature	-25° C to +55° C
Insulation resistance	100 MΩ @ 500Vdc
Medium strength	AC3700V/rms (between core and shell)
Current frequency	45Hz~65Hz (current frequency to be measured)
Frequency characteristics	10Hz~100kHz

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