

P8

WHOLESALE ECONOMIC TYPE 5A AC CURRENT CLAMP CT

The P8 current clamp ct is an affordable & durable mini current clamp ct for measurements to 10A AC. This current clamp ct uses a special magnetic core to provide higher accuracy and lower phase shift. The P8 Series AC current clamp ct is a cheap and economic current clamp probe to be used in power and low level current measurement applications.

Features

1. Economic design;
2. UL, CE CNAS mark;
3. Small, compact size;
4. 40Hz to 2kHz response;
5. 1mA/A AC output signals;
6. High content nickel metal core;
7. Low phase shift for power measurement;
8. Ratio 2500:1 or 2000:1, high precision 0.2%;
9. Measurement current range of 1mA to 20A AC;
10. Improved ergonomic design and easy operation;
11. Designed to EN 61010, 600V CAT III safety standard;
12. Designed for DMMs, loggers, recorders and oscilloscopes;
13. Jaw opening accommodates conductors up to 8mm diameter;



Application

1. HVAC;
2. Multimeter;
3. Oscilloscopes;
4. Phase angle meter;
5. Waveform analysis;
6. Data logging/recording;
7. Power load monitoring;
8. Energy meter calibrator;
9. Power quality measuring;
10. Measuring in breaker panels;
11. Measuring around cable bundles;

Parameters

Electrical parameters	
Ratio	2500: 1, 2000:1 or 1000:1 (customized)
Accuracy class	0.2%, 0.5%
Phase shift	<10'
Primary current	0 - 10A AC
Secondary current	0 - 10mA AC (customized)
Secondary voltage	0-0.1V AC, 0-0.5V AC, 0-1V AC, 0-5V AC
Max. Cont. Input current	20A
Load capacity	≤10Ω, Standard 4Ω
Over voltage category	CAT III 600V
Output signal (AC current)	From 0 to 10mA AC at nominal input current
Output signal (AC voltage)	From 0 to 0.5V AC at nominal input current
Frequency range	40Hz-2000Hz
Dielectric strength	3KV 50Hz/60Hz at 1minute
Temperature range	-20°C to +55°C
Output	2.5 meter cable with D01 connector
Max. voltage not insulated conductors	720 V
Standard	EN 61010-1, EN 61010-2-032, EN 61010-2-031 IEC60044-1, & IEC61869-2, 600V CAT III
Installation	clamp type
Output mode	lead output(2.5m)
Connector	Audio connector, BNC, 4mm banana, signal cable(2 cores)
Mechanical parameters	
Dimensions (L x W x H) (mm)	42× 139 × 20
Weight (g)	180
Holding wire diameter (mm)	φ8
Max. jaw opening (mm)	8
Color	Black
Material	PC+ABS+Polycarbonate, UL94 V0

Selection guide

Model	Rate Current	Max Current	Secondary Current	Coil Ratio	Burden Resistance	Accuracy
P8-5	5A	6A	2mA	2500:1	customized	0.2%
P8-10	10A	12A	4mA	2500:1	customized	0.2%
P8-20	20A	24A	8mA	2500:1	customized	0.2%
P8-5-1	5A	6A	2.5mA	2000:1	customized	0.2%
P8-10-1	10A	12A	5mA	2000:1	customized	0.2%
P8-20-1	20A	24A	10mA	2000:1	customized	0.2%
Model	Rate Current	Max Current	Secondary Voltage	Coil Ratio	Burden Resistance	Accuracy
P8V1-5	5A	6A	50mV	2000:1	customized	0.2%
P8V2-10	10A	12A	100mV	2000:1	customized	0.2%
P8V3-20	20A	24A	200mV	2000:1	customized	0.2%
P8V1-5-1	5A	6A	0.5V	2000:1	customized	0.2%
P8V2-10-1	10A	12A	1V	2000:1	customized	0.2%
P8V3-20-1	20A	24A	2V	2000:1	customized	0.2%