

FU-32

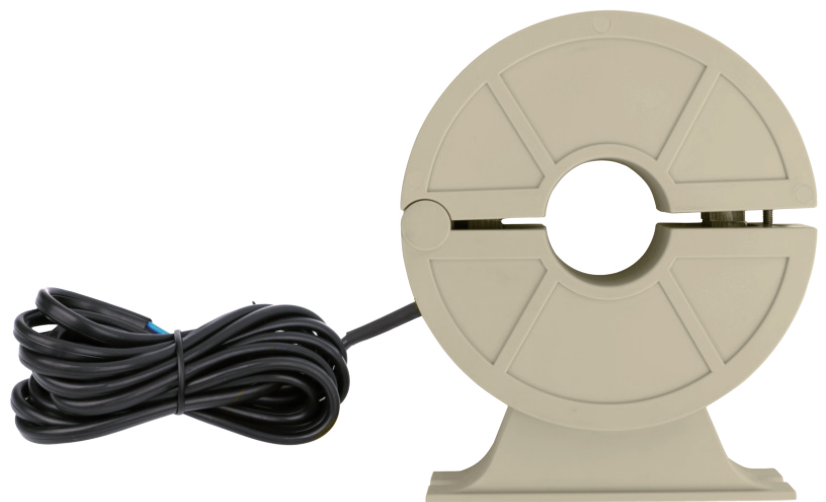
200/5a Indoor Clamp On Split Core Current Transformer Ct

The model FU-32 split core ct is a 32mm diameter split-core current transformer offers 333mV, 100mV-2V and 10mA-200mA ,1A or 5A at secondary from sensed primary current (0-600A).

This is a economic split core current transformer, using ABS and Anti-fire cover, it is very easy for installation. It has Low phase shift for power measurement. length of the output lead can be customized. This current transformer is compact and low cost current transformer with high accuracy. The CTs are ideal for quick and easy installation without disconnecting cables during installation. Multiple installation mechanisms provide stable and durable current measurement.

Features

1. Faster installation;
2. Most cost-effective;
3. Safe and easy installations;
4. CE, UL / EN 61010 - 1 certified;
5. High accuracy 0.2%, 0.5%, 1%;
6. Holding wire diameter: $\phi 32\text{mm}$;
7. Measurement range up to 600A AC;
8. Small-size, compact size, light-weight;
9. Ratio's ranging from 60/1A to 600/5A;
10. Low phase shift for power measurement;
11. Over-Voltage protection circuit is installed;
12. Output model: Lead output(2.5m)-can be customized;
13. Isolated plastic case recognized according to UL94-V0;



Application

1. Power meters;
2. Energy sub – meter;
3. HVAC & Pumps, etc;
4. Power Quality Analyzer;
5. Power quality monitoring;
6. kWh meter & Energy meter;
7. Distributed measurement system;
8. HEMS (Home Energy Management System);
9. BEMS (Building Energy Management System);



Parameters

Technical parameters	
Standards	IEC/EN60044-1 & IEC61010-1 & IEC61869-2&ANSI C57.13
Ratio	60: 1, 120:1 or 1000:1 , customized
Nominal input current （Primary current）	60A/75A/80A/100A/150A/200A/250A/300A/ 400A/500A/600A
Overload withstand	1.2 times rated current continuously
Accuracy	0.2%, 0.5 % , 1%
System Voltage	720V(0.72kV)
Output signal	50mA-500mA, 1A, 5A AC optional 333mV AC or 100mV-2V optional
Burden	2.5VA-5VA
Frequency range	40 Hz....2000 Hz
Dielectric strength	3 KV 50Hz/60Hz at 1 minute
Output	Standard 2.5 meter cable
Protection Level	3.0V0-P
Installation Category	CAT IV 600V AC IEC/EN 61010-1
Internal structure	Clamp-on Design
Max. jaw opening	32mm
Material	Silicon steel sheets+Enameled wire+ABS+ 94V-0
Color	Grey
Mechanical parameters	
Dimensions (W×D×H) (mm)	110 x 130 x 41
Weight (g)	700
Operating conditions	
Operating temperature	-25 to +55°C
Relative Humidity	0-85% non-condensing
Using Environment	Indoor
Altitude	<3000 meters
Condition	No existence of severely begrimed, erosive and radioactive gas in the air. Permission of long-term operation under rated current.

Technical Data

Type	FU-32		
Purpose	Measuring current transformer		
Ratio	Accuracy class		
I_1/I_2	0.2	0.5	1
60A/333mV	YES	YES	YES
100A/333mV	YES	YES	YES
150A/333mV	YES	YES	YES
200A/333mV	YES	YES	YES
300A/333mV	YES	YES	YES
400A/333mV	YES	YES	YES
500A/333mV	YES	YES	YES
600A/333mV	YES	YES	YES
100A/1V	YES	YES	YES
100A/2V	YES	YES	YES
100A/5V	YES	YES	YES
200A/1V	YES	YES	YES
200A/2V	YES	YES	YES
200A/5V	YES	YES	YES
300A/1V	YES	YES	YES
300A/2V	YES	YES	YES
300A/5V	YES	YES	YES
400A/1V	YES	YES	YES
400A/2V	YES	YES	YES
400A/5V	YES	YES	YES
500A/1V	YES	YES	YES
500A/2V	YES	YES	YES
500A/5V	YES	YES	YES
600A/1V	YES	YES	YES
600A/2V	YES	YES	YES
600A/5V	YES	YES	YES
100A/1A		YES	YES
200A/1A	YES	YES	YES
300A/1A	YES	YES	YES
400A/1A	YES	YES	YES
500A/1A	YES	YES	YES
600A/1A	YES	YES	YES
100A/5A			YES
200A/5A		YES	YES
300A/5A		YES	YES
400A/5A		YES	YES
500A/5A		YES	YES
600A/5A		YES	YES

Selection Guide

Model	Primary rated current	Rated load	Secondary output	Aperture (mm)	Description (mm)	Weight (kg)
FU-16	5-200A	≤10 Ohm	333mV, 1V, 5V, 100mA	φ16	38 x 55 x 18	0.06
FU-32	100-600A	≤10VA	333mV, 1V, 5V, 1A, 5A	φ32	110 x 130 x 41	0.7
FU-36	100-600A	≤2.5VA	333mV, 1V, 5V, 1A, 5A	φ10, φ16, φ24, φ36	26 x 43 x 27 31 x 50 x 30 43 x 73 x 39 60 x 89 x 43	0.1, 0.12, 0.2, 0.35
FU-80	100-1200A	≤5VA	333mV, 1V, 5V, 1A, 5A	φ30, φ55, φ80	88 x 129 x 28 108 x 155 x 28 138 x 193 x 28	0.4, 0.55, 0.6
FU-100	300-3000A	≤10VA	333mV, 1V, 5V, 1A, 5A	φ100	170 x 184.5 x 41	1
FU120	200-4000A	≤10VA	333mV, 1V, 5V, 1A, 5A	120 x 130, 120 x 30	166 x 110 x 49 166 x 208 x 49	1.2, 1.7
FU160	500-5000A	≤20VA	1A, 5A	160 x 80	144 x 227 x 54	2.8