Compere Split Core Current Transformer Catalog

Split Core Current Transformer KP-YCT-T10/16/24/36/50 Series

In the measurement of electric energy, some measurement loops cannot directly measure electrical parameters. In this environment, it is necessary to measure through the transformer.

- Range: 50A-1200A varies with core size

Characteristics:

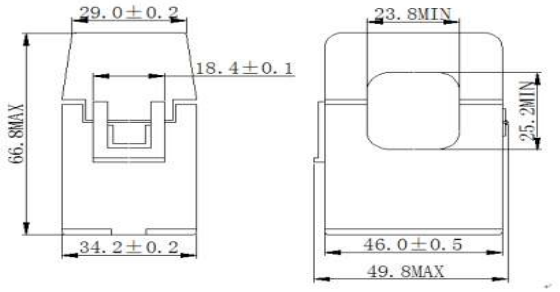
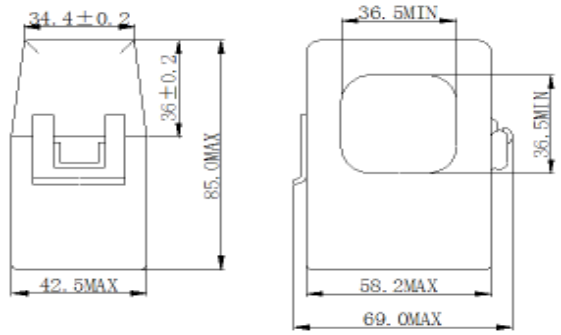
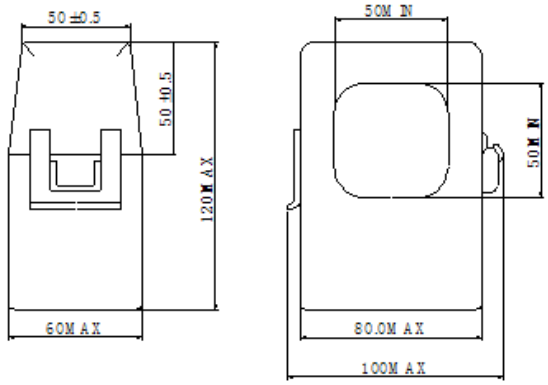
- Open and close installation, good consistency
- Good linearity and high sensitivity
- Good stability, light weight, easy to install

Applications:

- Suitable for electricity measurement, power quality analysis and electrical equipment signal acquisition
- Suitable for current measurement, protection and monitoring for electrical circuits and equipment
- Used for current, power, power monitoring devices, relay protection devices, power factor correction devices.

Model	Rated current input（A）	Rated current output mA/mV Customizable	Accuracy Class	Core dia	Size（mm）		
					Length	Width	Height
KP-YCT-T10	5~80A (5 10 20 50 75 80)	0~80mA 0.333v	0.5 1.0	10mm	23.1	26.0	39.3
KP-YCT-T16	50~120A (50 75 100 120)	mA/1A 0.333v	0.5 1.0	16mm	28.6	30.5	44.5
KP-YCT-T24	50~300A (50 100 150 200 300)	5A	0.5 1.0	24mm	46.0	35.0	65.4
KP-YCT-T36	150-600A (150 200 250 300 400 500 600)	5A	0.5 1.0	36mm	57.5	41.4	85.2
KP-YCT-T50	300~1000A (300 400 500 600 800 1000)	5A	0.5	50mm	81.0	51.5	120.0

Model selection（Output 1A/5A）

Model	Input /Output（A）	Accuracy Class	
KP-YCT-T24	100/5	1.0	
	150/5	1.0	
	200/5	0.5	
	250/5	0.5	
	300/5	0.5	
KP-YCT-36	100/5	1.0	
	150/5	1.0	
	200/5	1.0	
	250/5	0.5	
	300/5	0.5	
	350/5	0.5	
	400/5	0.5	
	450/5	0.5	
	500/5	0.5	
	600/5	0.5	
KP-YCT-50	200/5	0.5	
	250/5	0.5	
	300/5	0.5	
	350/5	0.5	
	400/5	0.5	
	450/5	0.5	
	500/5	0.5	
	600/5	0.5	
	700/5	0.5	
	800/5	0.2	
	1000/5	0.2	

- Precautions:
  - Rated primary current: 0~1200Aac
  - Rated secondary current: 1A/5A or mA / 0.333v
  - Accuracy class: 0.2 0.5 1.0 Class
  - Output lead: GB 2.5 square black red line
  - When the output 5A/1A is used, secondary open circuit is forbidden, otherwise it's easy to generate high voltage.

Split core current transformer KP-KCT-32/58/88/812/610/816 series

KP-FCT series split core current transformers are mainly used in industrial mid-city network and rural power network reconstruction projects. It is easy to install, no need to dismantle the busbars, and can also be operated with electricity, without affecting the normal power consumption of customers, saving a lot of manpower, material and financial resources for transformation projects, improve the efficiency of transformation. This series of current transformers can be used with relay protection, measuring and metering devices.

Characteristics:

- Fastened double screws, safe, easy to install and easy to carry.
- Two built-in fixing methods: basic; busbar mounting
- Wide inner window for large cable or busbar clamping.
- The range of sizes is wide to accommodate all existing devices.
- The primary current is from 5A to 5000A.

Applications:

- Current measurement, monitoring and protection of electrical circuits and equipment.
- Current and power measurement of control systems for motors, lighting, air compressors, heating, ventilation systems, air conditioning equipment and automation.
- Used for current, power, power monitoring devices, relay protection devices, power factor correction devices.
- Standard: IEC6044-1

Technical parameters:

Electrical Parameters		Mechanical parameters	
Frequency	50-400Hz	Shell	PC/UL94-V0
Rated input	5A-5000A	Framework	PBT
Measuring range	10%In-120%In	Iron core	Silicon steel
Rated output	0-5A	Inner frame	Winding
Ratio difference	≤ ± 0.5%	Installation	Open mounting
Angle difference	≤ ±30min	Working temperature	-25~+75℃
Dielectric strength	2.5KV/1mA/1min	Storage humidity	≤50%
Insulation resistance	DC500V/100MΩ min	Output wiring	Terminal

Output 5A

Product	Model	Current	Accuracy Load (VA)		Frequency (Hz)
	KP-KCT30*20	100/5A	1.0	1.0	50/60Hz
		150/5A	1.0	1.0	
		200/5A	0.5	1.5	
		250/5A	0.5	1.5	
		300/5A	0.5	1.5	
		400/5A	0.5	2.5	

Product	Model	Current	Accuracy Load (VA)		Frequency (Hz)
	KP-KCT80*50	250/5	1	1.5	50/60Hz
		300/5	1	1.5	
		400/5	0.5	1.5	
		500/5	0.5	2.5	
		600/5	0.5	2.5	
		750/5	0.5	2.5	
		800/5	0.5	2.5	
		1000/5	0.5	5	

Product	Model	Current	Accuracy Load (VA)		Frequency (Hz)
	KP-KCT80*80	250/5	1	1.5	50/60Hz
		300/5	1	1.5	
		400/5	0.5	1.5	
		500/5	0.5	2.5	
		600/5	0.5	2.5	
		750/5	0.5	2.5	
		800/5	0.5	2.5	
		1000/5	0.5	5	

Product	Model	Current	Accuracy Load (VA)		Frequency (Hz)
	KP-KCT120*80	500/5	0.5	2.5	50/60Hz
		600/5	0.5	2.5	
		750/5	0.5	2.5	
		800/5	0.5	2.5	
		1000/5	0.5	5	
		1200/5	0.5	7.5	
		1250/5	0.5	7.5	
		1500/5	0.5	7.5	

Product	Model	Current	Accuracy Load (VA)		Frequency (Hz)
	KP-KCT100*60	800/5	0.5	2.5	50/60Hz
		1000/5	0.5	10	
		1500/5	0.5	15	
		2000/5	0.5	15	
		2500/5	0.5	15	
		3000/5	0.5	20	

Product	Model	Current	Accuracy Load (VA)		Frequency (Hz)
	KP-KCT160*80	1000/5	0.5	10	50/60Hz
		1500/5	0.5	15	
		2000/5	0.2	15	
		2500/5	0.2	15	
		3000/5	0.2	20	
		4000/5	0.2	20	
		5000/5	0.2	20	

Precautions:

- Opening The current transformer must be connected to the meter (or other measuring device) twice before installation to ensure that the transformer does not open twice;
- Place all open current transformers connected to the secondary line on site and wait for installation;
- If the busbar is a cable at the site, it can be installed live; if the busbar is a copper busbar, the electrification operation requires a high level of proficiency for the operator.
- And require insulation protection measures;
- When installing the transformer, there should be no foreign matter such as impurities and dust in the cut surface of the core to avoid affecting the performance of the transformer.