

Product features



- Open and close design, easy to install and disassemble
- Cover current 5A ~ 1200A, output 0.333V or 5A signal
- Built-in voltage regulator, no secondary high voltage danger
- Secondary output lead length can be customized according to requirements, standard 1m
- Good stability and light weight, suitable for different installation occasions
- Product load stands with GB20840 and IEC61869

Specification parameters (Output 0.333v)

Specification Model	Rated input (A)	Rated output (mA/mv)	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	5~120A (5、10、50、75、100、120)	0~120mA /0.333v	0.5、1.0	16mm	28.6	30.5	44.5
KP-YCT-T24	50~300A(50、100、150、200、300)	0~500mA /0.333v	0.5、1.0	24mm	46.0	35.0	65.4
KP-YCT-T36	50-600A(100、200、300、400、500、600)	0~1000mA/0.333v	0.5、1.0	36mm	57.5	41.4	85.2
KP-YCT-T50	100~1000A(100、200、400、600、800、1000)	0~1000mA/0.333v	0.5	50mm	81.0	51.5	120.0

Note: For split core current transformers, if the installation is live, connect the secondary circuit first, then connect the primary and fasten the buckle.

Model selection(输出 5A)

Specification 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		

Note:

- Rated primary current: 0~1200Aac
- Rated secondary current: 1A/5A
- Accuracy Class: 0.2\0.5\1.0 Class
- Output line: 2.5 sqft red & black wire
- When the output 5A is used, it is forbidden to open the circuit twice, otherwise it is easy to generate high voltage.

Product features





- 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.


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°C
Dielectric strength	2.5KV/1mA/1min	Storage humidity	≤50%
Insulation resistance	DC500V/100MΩ min	Output wiring	Terminal


Model selection (Out put 5A)


Product	Model	Current ratio	Accuracy	Load (VA)	Frequency (Hz)
	KP-FCT30*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 ratio	Accuracy	Load (VA)	Frequency (Hz)
	KP-FCT80*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 ratio	Accuracy	Load (VA)	Frequency (Hz)
	KP-FCT80*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 ratio	Accuracy	Load (VA)	Frequency (Hz)
	KP-FCT120*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 ratio	Accuracy	Load (VA)	Frequency (Hz)
	KP-FCT100*60	800/5	0.5	2.5	50/60Hz
		1000/5	0.5	10	
		1500/5	0.5	15	
		2000/5	0.2	15	
		2500/5	0.2	15	
		3000/5	0.2	20	

Product	Model	Current ratio	Accuracy	Load (VA)	Frequency (Hz)
	KP-FCT160*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:

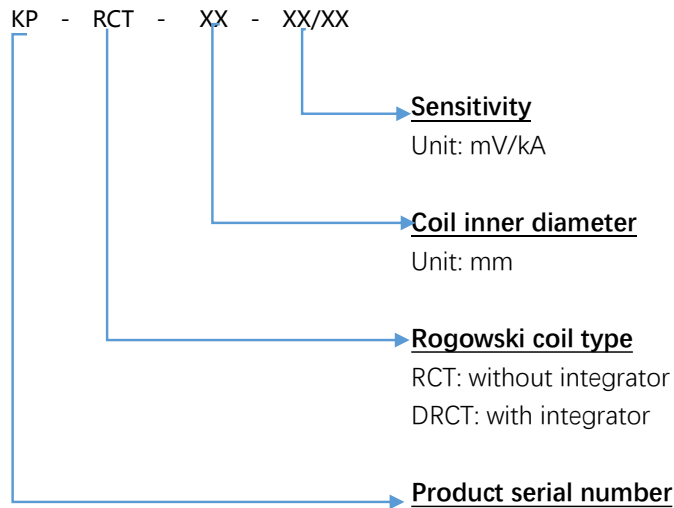
- Before installation, the secondary output line must be connected to the electric meter (or other measuring device) to ensure the secondary output circuit isn't opening.
- Place all secondary connected current transformers on site and wait for installation.
- If the busbar is a cable at the site, it can be live installation; if the busbar is a copper busbar, the live operation requires the operator with high proficiency and requires perfect insulation protection measures.
- When installing, the core section can not have foreign impurities, such as dust falls, to avoid affecting the performance of the current transformer.

Product Features

- Easy to open and close design, light weight and easy to carry.
- Flexible design to detect the current of irregular primary conductors.
- It can be used on the primary side without power, low output voltage, high linearity.
- Wide frequency range, does not produce saturation (when there is no integrator).

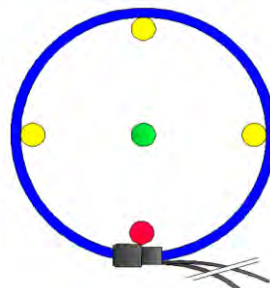
KP-RCT
Rogowski coil

Model definition



Technical paramters	
Model	KP-RCT
Response frequency	1HZ-1MHZ
Output sensitivity	100mV/KA or customized
	333mV/KA or customized (with integrator)
10%-100% Accuracy	5%(without integrator)
	1% (with integrator,45-65HZ)
Phase error	≤±1° (45-65HZ)
	≤±10° (20KHZ)
10%-100% Linearity	0.50%
Integrator power supply	7-30VDC
Response frequency	1HZ-1MHZ
Coil Cross-sectional diameter	12mm
Coil length	0.2-2M
Working altitude	≤2000M
IP protection level	IP65
Material	Silicone Rubber
Secondary lead	Shielded wire, length custom
Compressive strength	2KVAC/min
Insulation resistance	DC500V/100MΩ
Working conditions	-25°C~50°C
Storage Conditions	-30°C~90°C

Measuring point sensitivity error diagram



Color	Position	Error
Green	Coil center	±1.0%
Yellow	0-180°	±1.5%
Red	Contactore	±2.0%