

Split core current transformer



1. Application:

- It is used for on-line monitoring of instruments and meters.
- It can be opened for installation, and online operation does not need to be powered off.
- It adopts a split core with excellent magnetic permeability, with a wide linear range and good accuracy.
- Exquisite appearance, small size, light weight.

2. Technical Data:

Electrical parameters		Mechanical parameters	
Frequency	50-2KHz	Flammability rating	PA/UL94-V0
Current Range	5-630A	Housing material	PBT
Overload multiple	10% In-130% In	Core	silicon steel
Output current or voltage	0-500mA or 0.333V(AC)	Internal filling	Epoxy glue
Accuracy	±1.0%	Operating temperature	-20°C~+60°C
Phase difference	≤±60'	Storage temperature	-40°C~+80°C
Isolation withstand voltage	2.5KV/1ma/1min	Humidity	≤85%
Insulation resistance	DC500V/100MΩ min	Output cable	UL1007 22AWG Wire (twisted wire)

3. Selection Table:

Model	Rated input	Rated output	Dimensions			
			φ	A	B	C
TPCK10	5~75A (5、10、20、50、75)	0.25V – 2V Or 20mA – 5A	10.0	41.0	23.0	26.0
TPCK16	5~120A (5、10、50、100、150)		16.0	47.0	30.0	32.5
TPCK24	50~250A (10、50、100、200、250)		24.0	70.5	45.0	37.5
TPCK35	10~630A (20、100、250、400、600)		35.0	84.5	55.6	40.5
TPCK45	10~1000A (200、400、600、800、1000)		45.0	97.0	67.0	47.0
Note: 1. Primary current range: 0~1000Aac. 2. Secondary rated current: 0~500mA/1A/5A. 3. Load: 1.5/2.5/3.75/5.0/7.5VA. 4. Accuracy class:0.2/0.5/1.0/3.0. 5. Output cable: UL1015 22AWG Wire 2.5m or customized. 6. It is forbidden to open the secondary circuit, otherwise it is easy to generate high voltage						