



YHDC SCT016S Split Core Current Transformer Instruction Manual

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SCT016S

Φ16mm Aperture Split core current transformer

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SCT016S Split Core Current Transformer

	Front view
	Opening view
	Bottom view

Characteristic

- Safety lock buckle, easy to install
- Built-in over-voltage protection device (TVS tube)
- Lead type output, length can be customized

- Suspended type

Product application

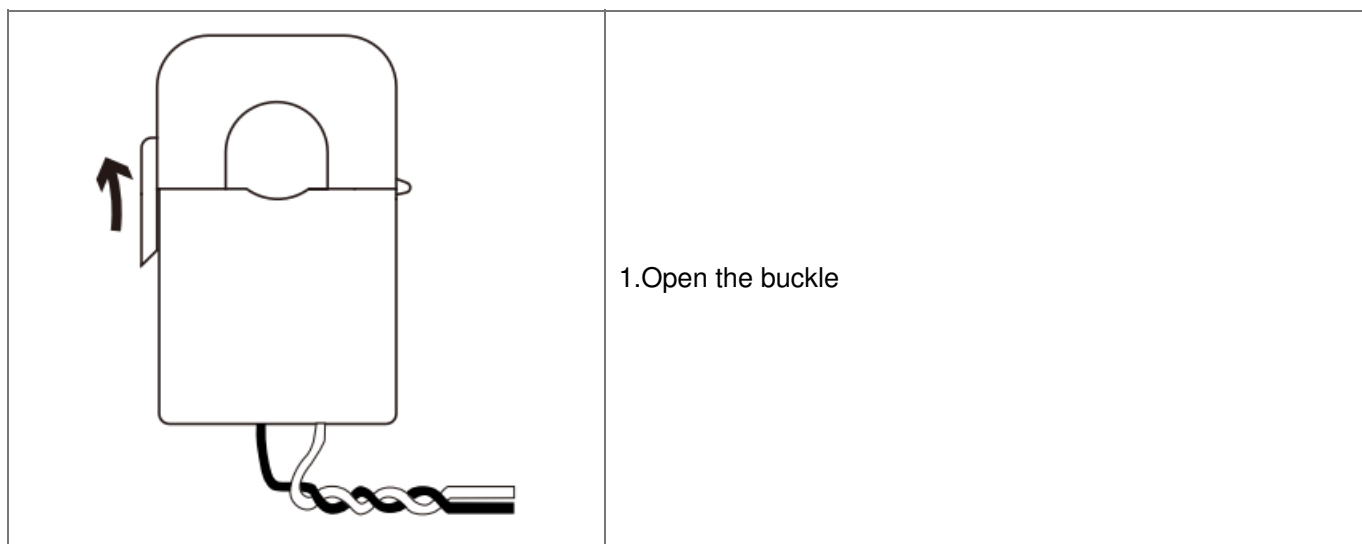
- Portable instrument
- Household metering
- Monitor motor load

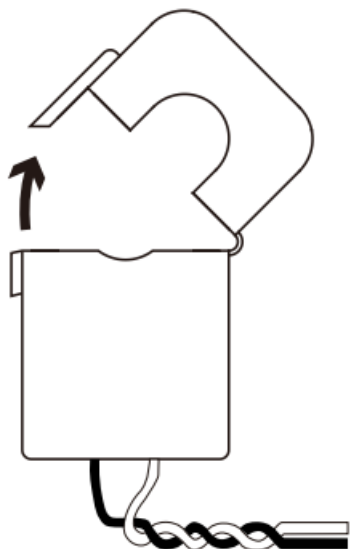
Product advantage

- Small volume Light weight
- Low cost
- High turns High precision

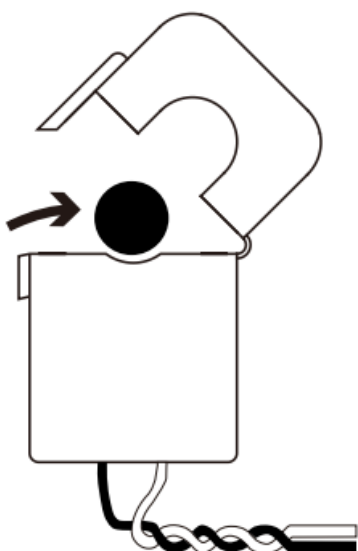
Installation diagram

Primary threading method Firing line

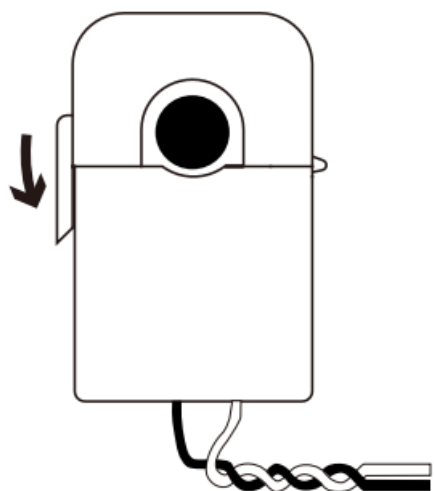




2.Open upward



3.Put in lead wire



4.Fasten the buckle

- Material of core——Silicon steel sheet
- Working voltage——Phase voltage≤720V
- Working temperature——-25℃ +60℃
- Storage temperature——-30℃ +90℃
- Frequency range——50Hz 60Hz
- Dielectric strength——Input bare conductor /output AC 800V/1min 5mA 50Hz

Output/Outer shell AC 3.5KV/1min 5mA 50Hz

Electrical parameters: The following parameters are typical values and actual values will be subject to product testing)

Max. continuous input current: 120% of rated input

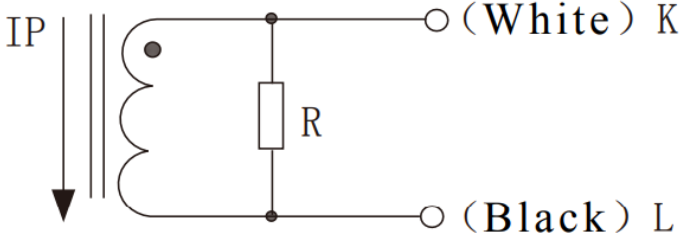
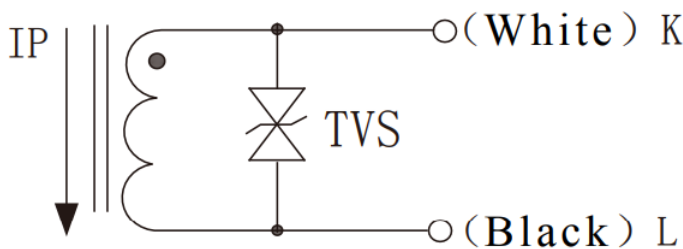
Model	Input current	Output	Turns ratio	Load resistance	Accuracy	Linearity	Weight
SCT016S	50A	100mA	1 100	5Ω	1%	1%	85g
SCT016S	100A	100mA	1 1000	5Ω	0.5%/1%	1%	85g
SCT016S	120A	40mA	1 3000	10Ω	0.5%/1%	1%	85g
SCT016S	150A	100mA	1 1500	10Ω	0.5%/1%	1%	85g
SCT016S	150A	50mA	1 3000	10Ω	0.5%/1%	1%	85g
SCT016S	160A	40mA	1 4000	10Ω	0.5%/1%	1%	85g
SCT016S	200A	100mA	1 2000	10Ω	0.5%/1%	1%	85g
SCT016S	200A	50mA	1 4000	10Ω	0.5%/1%	1%	85g

Model	Input current	Output	Turns ratio	Power	Accuracy	Linearity	Weight
SCT016S	60A	1A	1:60	0.1VA	1%	1%	85g
SCT016S	80A	1A	1:80	0.1VA	1%	1%	85g
SCT016S	100A	1A	1:100	0.1VA	1%	1%	85g

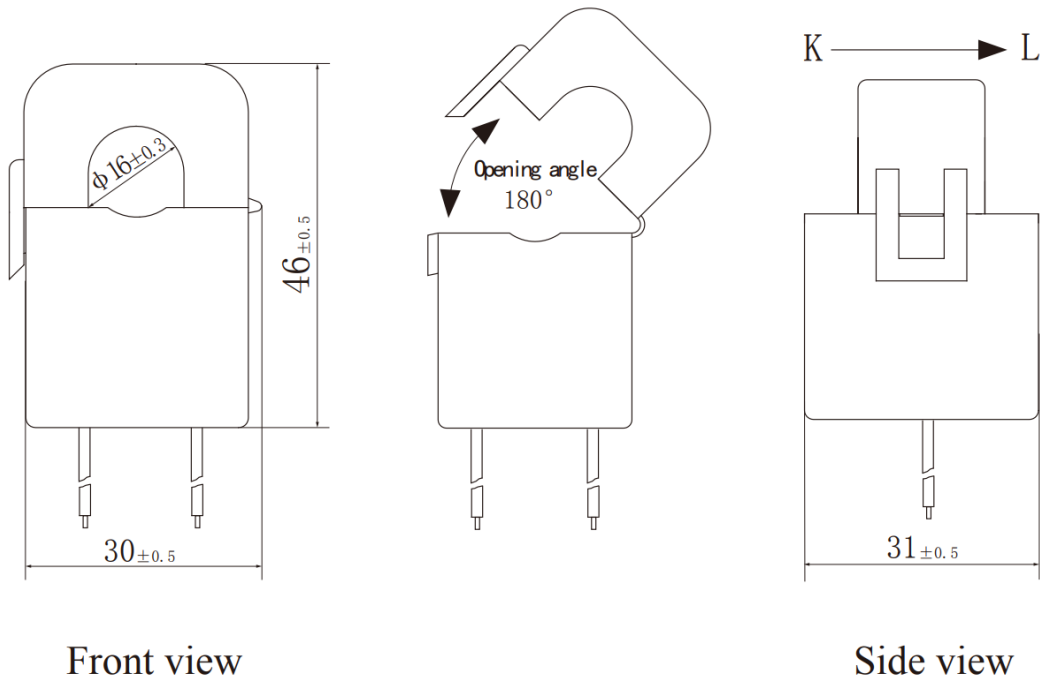
Model	Input current	Output	Turns ratio	Load resistance	Accuracy	Linearity	Weight
SCT016S	50A	0.333V	—	built-in	0.5%/1%	1%	85g
SCT016S	100A	0.333V	—	built-in	0.5%/1%	1%	85g
SCT016S	150A	0.333V	—	built-in	0.5%/1%	1%	85g

*Can be customized parameters/lead length/lead specifications according to user requirements.

Wiring schematic diagram

	Built-in sampling resistance Voltage output type Secondary doesn't allow short circuit
	TVS Transient voltage suppressor Current output type Secondary doesn't allow open circuit

Cable AWG22
Specifications of lead wire 0.3mm black and white twisted pair 1AOutput 0.75mm black and white twisted pair
The length of lead wire 50cm
Color of lead wire white black
Outline size (in:mm)



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Documents / Resources

	YHDC SCT016S Split Core Current Transformer [pdf] Instruction Manual SCT016S, SCT016S Split Core Current Transformer, Split Core Current Transformer, Core Current Transformer, Current Transformer, Transformer
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