

Φ10mm Aperture 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

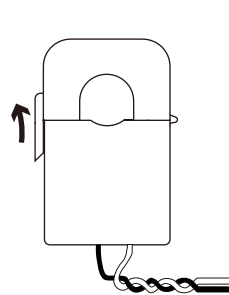
- Portable instrument
- Household metering
- Monitor motor load

Product advantage

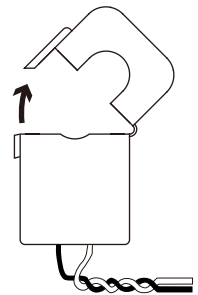
- Small volume, Light weight
- Low cost
- High turns, High precision

Installation diagram

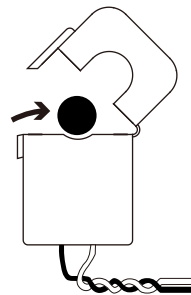
Primary threading method (Firing line)



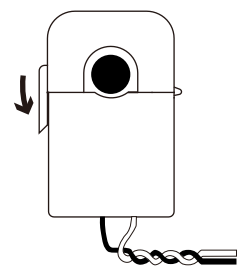
1. Open the buckle



2. Open upward



3. Put in lead wire



4. Fasten the buckle

Typical technical index:

- Material of core——Ferrite
- Working voltage——Phase voltage $\leq 720V$
- Working temperature—— $-25^{\circ}C \sim +60^{\circ}C$
- Storage temperature—— $-30^{\circ}C \sim +90^{\circ}C$
- Frequency range—— $50Hz \sim 1KHz$
- 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)

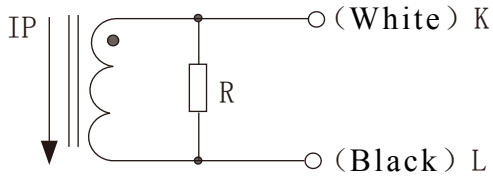
Max. continuous input current: 120% of rated input

Model	Input current	Output	Turns ratio	Load resistance	Accuracy	Linearity	Weight
SCT010	20A	20mA	1: 1000	10 Ω	0.5%/1%	1%	45g
SCT010	20A	10mA	1: 2000	10 Ω	0.5%/1%	1%	45g
SCT010	50A	50mA	1: 1000	10 Ω	0.5%/1%	1%	45g
SCT010	50A	16.6mA	1: 3000	10 Ω	0.5%/1%	1%	45g
SCT010	60A	20mA	1: 3000	10 Ω	0.5%/1%	1%	45g
SCT010	80A	80mA	1: 1000	10 Ω	0.5%/1%	1%	45g
SCT010	80A	40mA	1: 2000	10 Ω	0.5%/1%	1%	45g
SCT010	80A	26.6mA	1: 3000	10 Ω	0.5%/1%	1%	45g

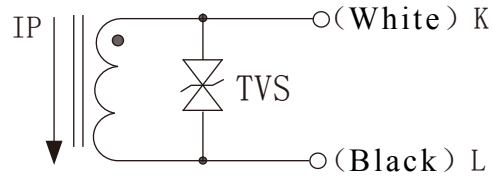
Model	Input current	Output	Turns ratio	Load resistance	Accuracy	Linearity	Weight
SCT010	10A	0.333V	-	built-in	0.5%/1%	1%	45g
SCT010	20A	0.333V	-	built-in	0.5%/1%	1%	45g
SCT010	30A	0.333V	-	built-in	0.5%/1%	1%	45g
SCT010	50A	0.333V	-	built-in	0.5%/1%	1%	45g
SCT010	60A	0.333V	-	built-in	0.5%/1%	1%	45g
SCT010	80A	0.333V	-	built-in	0.5%/1%	1%	45g

***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

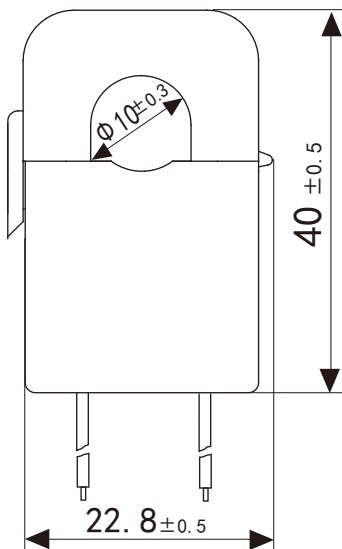
Cable (AWG22) :

Specifications of lead wire: 0.3mm² black and white twisted pair

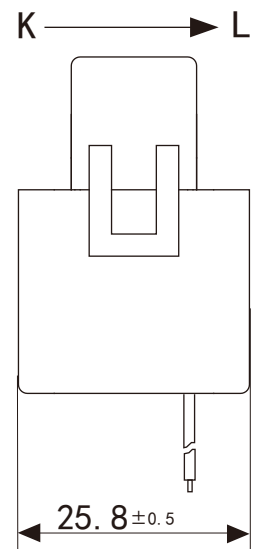
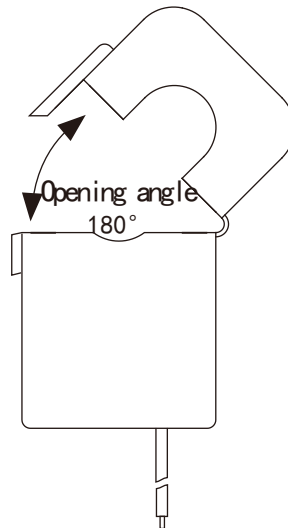
The length of lead wire: 50cm

Color of lead wire: white, black

Outline size: (in:mm)



Front view



Side view