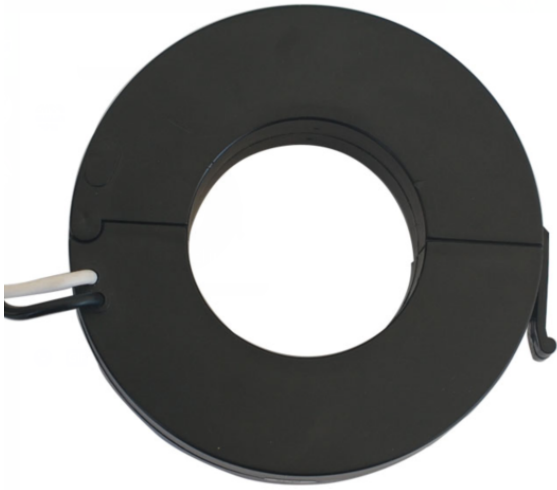


Φ45mm Aperture Split core current transformer



Product features

- Secure locking buckle, easy to install
- Lead wire type output
- the length can be customized
- Suspended mounting

Product application

- Portable instrument
- Household metering
- Monitoring the load of machine

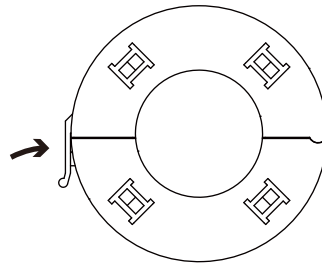
Product advantage

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

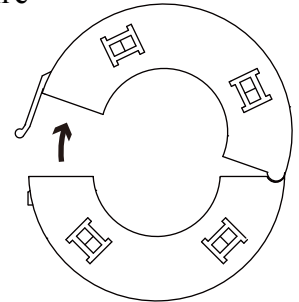
Installation diagram

Primary threading method

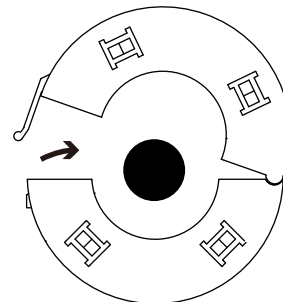
Firing line



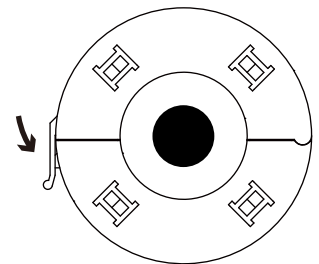
1. Open the buckle



2. Open upward



3. Put in lead wire

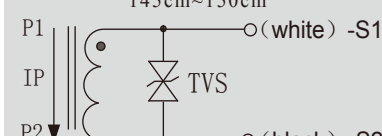


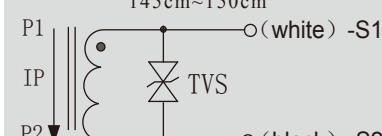
4. Fasten the buckle

Typical technical index:

- Material of core——Silicon steel sheet
- Working voltage——Phase voltage $\leq 720V$
- Working temperature—— $-30\text{ }^{\circ}C \sim +65\text{ }^{\circ}C$
- Storage temperature—— $-40\text{ }^{\circ}C \sim +85\text{ }^{\circ}C$
- Frequency range—— $50Hz \sim 60Hz$
- Dielectric strength——Input (bare conductor) /output AC 800V/1min 5mA 50Hz
Output/Outer shell AC 3.5KV/1min 5mA 50Hz)
- Weight———325g

Electrical parameters (The following parameters are typical values. The actual values shall be subject to the

Model	Input current	Output current	Turns ratio	Accuracy	resistance	Lead specification/schematic diagram
SCT045R	100A	50mA	1:2000	0.5%	20 Ω	Leading wire specification: 0.3 mm^2 Black and white twisted pair lead length: 145cm~150cm  TVS: Transient voltage suppressor current output type. the secondary is not allowed to open.
SCT045R	200A	50mA	1:4000	0.5%	50 Ω	
SCT045R	300A	50mA	1:6000	0.5%	50 Ω	
SCT045R	400A	50mA	1:8000	0.5%	50 Ω	
SCT045R	500A	50mA	1:10000	0.5%	50 Ω	
SCT045R	600A	50mA	1:12000	0.5%	50 Ω	

Model	Input current	Output current	Turns ratio	Accuracy	resistance	Lead specification/schematic diagram
SCT045R	100A	0.1A	1:1000	0.5%	10 Ω	Leading wire specification: 0.3 mm^2 Black and white twisted pair lead length: 145cm~150cm  TVS: Transient voltage suppressor current output type. the secondary is not allowed to open.
SCT045R	200A	0.1A	1:2000	0.5%	10 Ω	
SCT045R	300A	0.1A	1:3000	0.5%	10 Ω	
SCT045R	400A	0.1A	1:4000	0.5%	10 Ω	
SCT045R	500A	0.1A	1:5000	0.5%	10 Ω	
SCT045R	600A	0.1A	1:6000	0.5%	10 Ω	

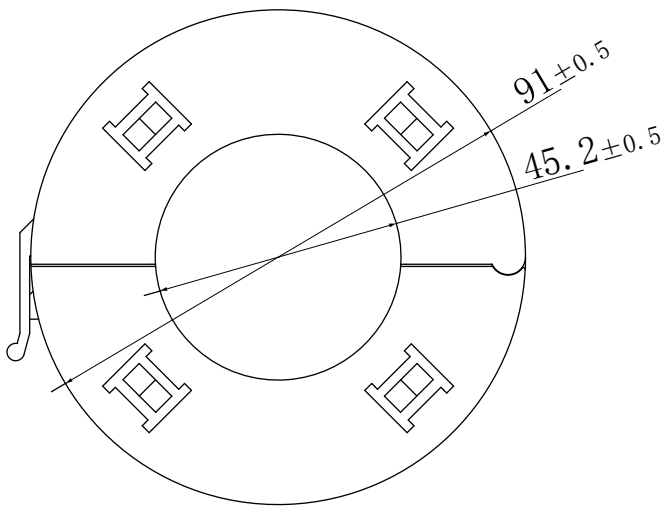
Model	Input current	Output current	Turns ratio	Accuracy	Lead specification/schematic diagram
SCT045R	100A	1A	1:100	0.5%	<p>Leading wire specification: 0.3mm^2 Black and white twisted pair lead length: 145cm~150cm</p> <p>current output type. the secondary is not allowed to open.</p>
SCT045R	200A	1A	1:200	0.5%	
SCT045R	300A	1A	1:300	0.5%	
SCT045R	400A	1A	1:400	0.5%	
SCT045R	500A	1A	1:500	0.5%	
SCT045R	600A	1A	1:600	0.5%	

Model	Input current	Output current	Turns ratio	Accuracy	Lead specification/schematic diagram
SCT045R	100A	5A	1:20	3%	<p>Leading wire specification: 1mm^2 Black and white twisted pair lead length: 145cm~150cm</p> <p>current output type. the secondary is not allowed to open.</p>
SCT045R	200A	5A	1:40	1%	
SCT045R	300A	5A	1:60	1%	
SCT045R	400A	5A	1:80	1%	
SCT045R	500A	5A	1:100	1%	
SCT045R	600A	5A	1:120	1%	

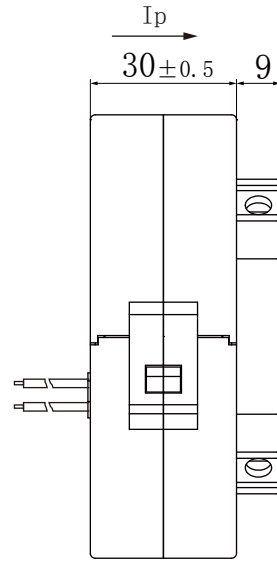
Model	Input current	Output voltage	Accuracy	Load impedance	Lead specification/schematic diagram
SCT045R	100A	0.333V	0.5%/1%	$\geq 10\text{K}\Omega$	<p>Voltage output type : Built-in with sampling resistance Voltage output type : not allowed secondary short circuit. AWG22(0.3mm^2) black and white twisted pair, leads to 1.48m</p>
SCT045R	200A	0.333V	0.5%/1%	$\geq 10\text{K}\Omega$	
SCT045R	300A	0.333V	0.5%/1%	$\geq 10\text{K}\Omega$	
SCT045R	500A	0.333V	0.5%/1%	$\geq 10\text{K}\Omega$	
SCT045R	600A	0.333V	0.5%/1%	$\geq 10\text{K}\Omega$	

Noted: The rated current $\leq 400\text{A}$ are the standard product

Dimensions: (in:mm±0.5)



Front view



Side view