

Jiangyin Spark's XH-SCT-S24 Split Core Clamp-On Current Transformer, is designed for fast, safe, and easy AC current monitoring in energy metering, power monitoring, and electrical measurement applications.

Featuring a clamp-on split core design, this current transformer can be installed around insulated conductors without disconnecting cables or interrupting power. Its lightweight structure and one-handed operation allow electricians and installers to complete installations quickly, reducing labor time and system downtime.

Key Features

- Clamp split-core design, one-handed operation, easier, quicker installation
- Popular rating :200A/333mV, 200A/40mA, 200A/80mA, 300A/100mA, 225A/0.333V
- Includes a built-in Resistor or protection Diode to limit high voltage
- Ideal for narrow space
- Perfectly paired with Power Meter
UL2808 xoba list (E498920), CE, ROHS

Applications:

- Sub-Metering Accurate Measurement
- PV Inverters, PV monitoring
- Real-time power monitoring
- Residential Systems
IOT Energy management

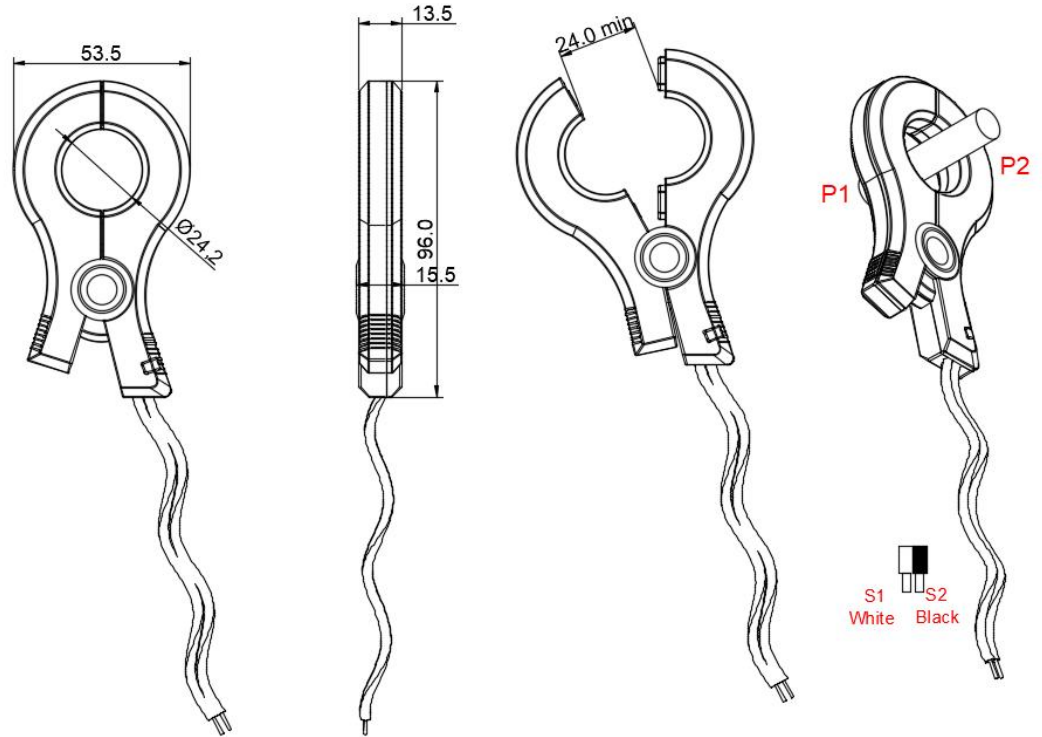


Model : XH-SCT-S24

XH-SCT-S24		UNITS
ELECTRICAL SPECIFICATION		
Accuracy	±0.5	%
CT Phase Angle	Rated input <1.5	Degrees
Nominal Line Frequency	60 / 50	Hz
Current Rating	1-300	A
Output	333mV or mA, 0-3V at rated current	
Over voltage Category	CATIII 600V	
Maximum Continuous Amps	300	A
MECHANICAL		
Type	Split core, clamp design	
Window Diameter	24	mm
Lead Wire	Type	Twisted pair or leads connector MTW,UL1015
	Length	2m or customized
	Gauge	22 AWG
Material	Nylon	
Weight	200g for 5m cable	g

ENVIRONMENTAL		
Operating Temperature Range	-40 to 60	°C
Operating Humidity	5% to 90% relative humidity	
IP Rating	30 (NEMA 1)	
UL 2808 (XOBA) LIST E498920		

DIMENSIONS(mm):



Test Report:

Test condition :Rated input current 200A, rated output 40mA, Ratio error :0.5%

Samples NO	Input	5%	20%	100%	120%
1	Ratio error	-0.072	0.045	0.121	0.125
	Phase error	74.1	63.8	54.3	52.8
2	Ratio error	-0.168	-0.021	0.065	0.079
	Phase error	71.7	57.9	44.5	43.6
3	Ratio error	-0.171	-0.022	0.068	0.082
	Phase error	80.1	61.1	46.1	45.6
4	Ratio error	-0.050	0.104	0.181	0.201
	Phase error	77.8	60.1	47.1	46.7

