

STH Series

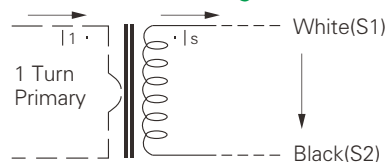


STH range of current transformers can be applied to test, control, display and record the running of the electrical equipment, and to protect the equipment against the damage, in the AC circuit with the rated voltage value below 720V and the frequency of 50–60Hz. The product can be also applied to form a complete set of mine transformer

Features

- Safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

Circuit connection diagram



Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation-control system.
- Current, power and energy monitoring device.
- Relay protection device.

Technique Index

Electrical Parameter	
Frequency	50/60Hz
Rated Input	1A–5000A
Measuring range	5%In–120%In
Rated Output	1A,5A
Rated Voltage	0.72KV(AC)
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩmin

Mechanical Parameter	
Case	PC /UL94–V0
Bobbin	PBT
Core	Silicon steel
Construction	Screw
Operating Temp	– 25°C ~ + 75°C
Operating Humidity	≤85%
Output Connection	Terminal

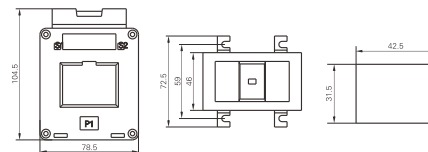
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STH-40

Technical parameter

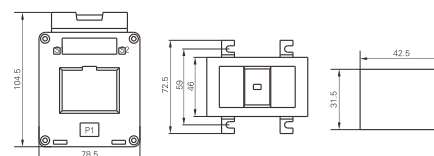
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
STH-40	150/5A	2.5	10.0	50/60
	200/5A	5	5	50/60
	250/5A	5	5	50/60
	300/5A	5	5	50/60
	400/5A	5	5	50/60
	500/5A	10	10	50/60
	600/5A	10	10	50/60



STH-50

Technical parameter

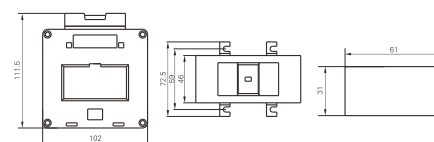
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
STH-50	200/5A	5	5	50/60
	250/5A	5	5	50/60
	300/5A	5	5	50/60
	400/5A	5	5	50/60
	500/5A	5	5	50/60
	600/5A	10	10	50/60
	750/5A	10	10	50/60
	800/5A	10	10	50/60



STH-60

Technical parameter

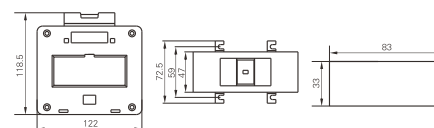
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
STH-60	300/5A	5	5	50/60
	400/5A	5	5	50/60
	500/5A	5	5	50/60
	600/5A	5	5	50/60
	750/5A	5	5	50/60
	800/5A	10	10	50/60
	1000/5A	10	10	50/60
	1200/5A	10	10	50/60



STH-80

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
STH-80	750/5A	5	5	50/60
	800/5A	5	5	50/60
	1000/5A	10	10	50/60
	1200/5A	10	10	50/60
	1500/5A	10	10	50/60
	1600/5A	10	10	50/60
	2000/5A	15	15	50/60



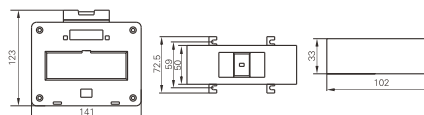
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STH-100

Technical parameter

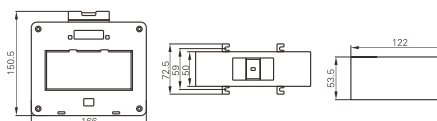
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
STH-100	1000/5A	10	10	50/60
	1200/5A	20	10	50/60
	1500/5A	20	10	50/60
	2000/5A	20	10	50/60
	2500/5A	30	30	50/60
	3000/5A	30	30	50/60



STH-120

Technical parameter

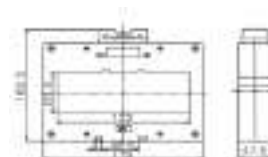
TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
STH-120	1500/5A	20	30	50/60
	1600/5A	20	30	50/60
	2000/5A	20	30	50/60
	2500/5A	20	30	50/60
	3000/5A	20	30	50/60
	4000/5A	20	30	50/60



STH-130

Technical parameter

TYPE	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
STH-130	1500/5A	20	30	50/60
	1600/5A	20	30	50/60
	2000/5A	20	30	50/60
	2500/5A	20	30	50/60
	3000/5A	20	30	50/60
	4000/5A	20	30	50/60
	5000/5A	20	30	50/60
	6000/5A	20	30	50/60



STH-150

Technical parameter

	Ratio(A)	Burden(VA)		Rated Frequency(Hz)
		Class:0.5	Class:1.0	
STH-150	1000/5A	15	15	50/60
	1250/5A	15	15	50/60
	1500/5A	15	15	50/60
	1600/5A	15	15	50/60
	2000/5A	15	20	50/60
	2500/5A	15	20	50/60
	3000/5A	15	20	50/60
	3200/5A	15	20	50/60
	3500/5A	15	20	50/60
	4000/5A	15	20	50/60
	5000/5A	15	20	50/60
	6000/5A	20	30	50/60
	7500/5A	20	30	50/60
	8000/5A	20	30	50/60



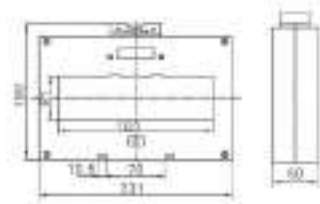
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Technical parameter



STH-180

Ratio(A)	Burden(VA)		Rated Frequency(Hz)
	Class:0.5	Class:1.0	
1000/5A	15	15	50/60
1250/5A	15	15	50/60
1500/5A	15	15	50/60
1600/5A	15	15	50/60
2000/5A	15	20	50/60
2500/5A	15	20	50/60
3000/5A	15	20	50/60
3200/5A	15	20	50/60
3500/5A	15	20	50/60
4000/5A	15	20	50/60
5000/5A	15	20	50/60
6000/5A	20	30	50/60
7500/5A	20	30	50/60
8000/5A	20	30	50/60
10000/5A	20	30	50/60

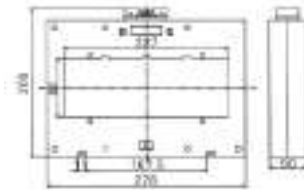


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STH-220

Ratio(A)	Burden(VA)		Rated Frequency(Hz)
	Class:0.5	Class:1.0	
3000/5A	20	20	50/60
4000/5A	20	20	50/60
5000/5A	20	20	50/60
6000/5A	30	30	50/60
7000/5A	30	30	50/60
7500/5A	30	30	50/60
8000/5A	30	30	50/60
10000/5A	30	30	50/60



Accuracy class characteristics:

