

SCTK731 series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.

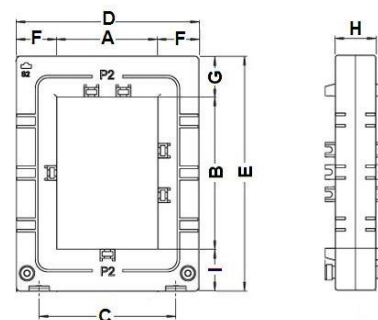
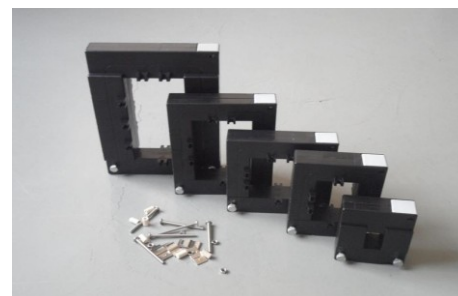
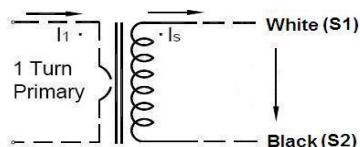
◆ Features

- Double-screw fastening, 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

◆ 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.

◆ Circuit connection diagram



◆ Technique Index

Electrical Parameter	
Frequency	50-400Hz
Rated Input	5A-5000A
Measuring range	5%In-130%In
Rated Output	0-5A
Ratio	$\leq \pm 0.5\%$
Phase angle	$\leq \pm 30\text{min}$
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PC
Core	Silicon steel
Internal structure	Epoxy
Construction	Screw
Operating Temp	$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	Terminal

◆ Type Selection (Output: 1A/5A)

Mfg P/N	Rated Input (A)	Output (A)	Accuracy	Dimensions(mm)								
				A	B	C	D	E	F	G	H	I
SCTK731A(23)	100-400A	1A/5A	0.5, 1.0, 3.0	20	30	50	88	104	34	41	40	31
SCTK731B(58)	250-1000A	1A/5A	0.5, 1.0, 3.0	50	80	78	114	145	32	32	33	33
SCTK731C(88)	250-1000A	1A/5A	0.5, 1.0, 3.0	80	80	108	144	145	32	32	33	33
SCTK731D(812)	500-1500A	1A/5A	0.5, 1.0, 3.0	80	120	108	144	185	32	32	33	33
SCTK731E(814)	600-5000A	1A/5A	0.5, 1.0, 3.0	80	140	122	176	228	47	47	53	38
SCTK731F(816)	800-5000A	1A/5A	0.5, 1.0, 3.0	80	160	120	176	246	48	48	53	38
SCTK731G(36)	100-3000A	1A/5A	0.5, 1.0, 3.0	30	60	88	132	131	49	36	55	43
SCTK731H(513)	100-4000A	1A/5A	0.5, 1.0, 3.0	55	130	80	125	195	35	30	53	35