

SCTK691/2 series retro-fit (Clamp-on) 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.

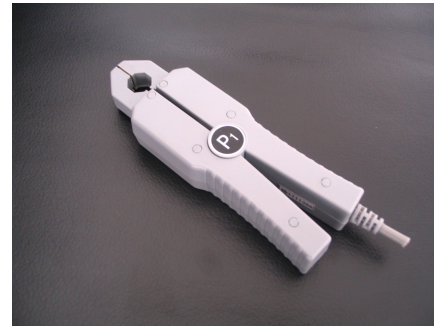
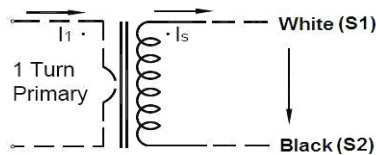
◆ Features

- Clamp on design, 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-3000A
Measuring range	5%In-130%In
Rated Output	0-10V(AC) or 0-5A
Ratio	$\leq \pm 0.1\%$
Phase angle	$\leq \pm 10\text{min}$
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	ABS /UL94-V0
Bobbin	PBT
Core	Silicon steel / Permalloy
Internal structure	Screw
Construction	Screw
Operating Temp	$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	UL1015 22AWG Wire(twinsted wire) 2.5m

◆ Type Selection

Mfg P/N	Rated Input	Ratio	Accuracy	Dimensions(mm) (ID-L-W-H)
SCTK691A-008	0-20A	1000: 1	0.1, 0.2, 0.5	8.0-135.0-42.0-20.0
SCTK691A-013	0-100A			13.0-137.0-42.0-25.0
SCTK691A-020	5-250A	2000: 1	0.1, 0.2, 0.5	20.0-137.0-46.0-25.0
SCTK691A-050	100-1200A	2500: 1	0.1, 0.2, 0.5	50.0-215.0-104.0-27.0
SCTK692A-085	100-1500A	4000: 1	0.1, 0.2, 0.5	82.0*52.0-272.0-116.0-37.0
SCTK692A-125	100-3000A			125.0*52.0-327.0-116.0-37.0