

SCTK751 Series

SCTK751 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.

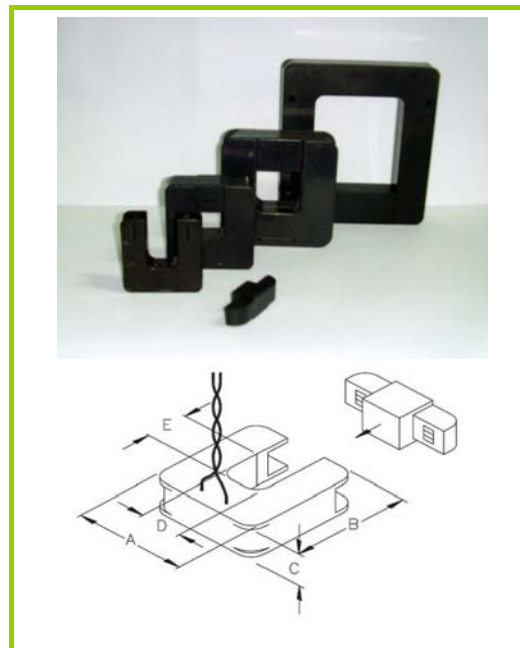
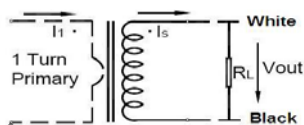
◆ **Features**

- Split core design, 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 | 50-60Hz |
| Rated Input | 5A-5000A |
| Measuring range | 10%In-130%In |
| Rated Output | 0.333V(AC) or 0-500mA |
| Ratio | ± 1.0% |
| Phase angle | ≤ ±90min |
| Dielectric strength | 2.5KV/1mA/1min |
| Insulation Resistance | DC500V/100MΩ min |

| Mechanical Parameter | |
|----------------------|--------------------------------------|
| Case | PC /UL94-V0 |
| Bobbin | PBT |
| Core | Permalloy |
| Internal structure | Epoxy |
| Construction | Tie |
| Operating Temp | -25°C ~ +75°C |
| Operating Humidity | ≤85% |
| Output Connection | UL1015 22AWG Wire(twisted wire) 2.0m |

◆ **Type Selection**

| Mfg P/N | Rated Input (A) | Output (mA/V) | Accuracy | Dimensions(mm/inch) | | | | |
|----------|---|--------------------|----------|---------------------|-----------------|----------------|----------------|-----------------|
| | | | | A | B | C | D | E |
| SCTK751A | 5-200A (5, 10, 30, 50, 75, 100, 125, 150, 200) | 0-13.3mA 0.333V | 1.0 | 50.8 (2.00) | 53.3 (2.09) | 17.0 (0.67) | 19.1 (0.75) | 19.1 (0.75) |
| SCTK751B | 10-400A (10, 50, 75, 150, 200, 250, 300, 400) | 0-53.3mA 0.333V | 1.0 | 59.6 (2.35) | 62.7 (2.47) | 21.0 (0.83) | 19.1 (0.75) | 19.1 (0.75) |
| SCTK751C | 50-630A (50, 100, 125, 200, 250, 400, 600, 630) | 0-66.6mA 0.333V | 1.0 | 82.5 (3.25) | 85.1 (3.35) | 27.0 (1.06) | 31.8 (1.25) | 31.8 (1.25) |
| SCTK751D | 100-2000A (100, 250, 400, 630, 800A, 1000, 2000) | 0-200mA 0.333V | 1.0 | 121.0 (4.76) | 127.0 (5.00) | 30.4 (1.19) | 50.8 (2.00) | 50.8 (2.00) |
| SCTK751E | 200-3000A (200, 250, 400, 630, 1500, 2500, 3000) | 0-300mA 0.333V | 1.0 | 118.0 (4.65) | 133.0 (5.24) | 24.0 (0.94) | 68.0 (2.68) | 80.0 (3.15) |
| SCTK751F | 400-5000A (400, 800, 1000, 1500, 2000, 3000, 5000) | 0-500mA 0.333V | 1.0 | 146.0 (5.75) | 190.5 (7.50) | 35.6 (1.40) | 76.2 (3.00) | 127.0 (5.00) |