

KCT 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.

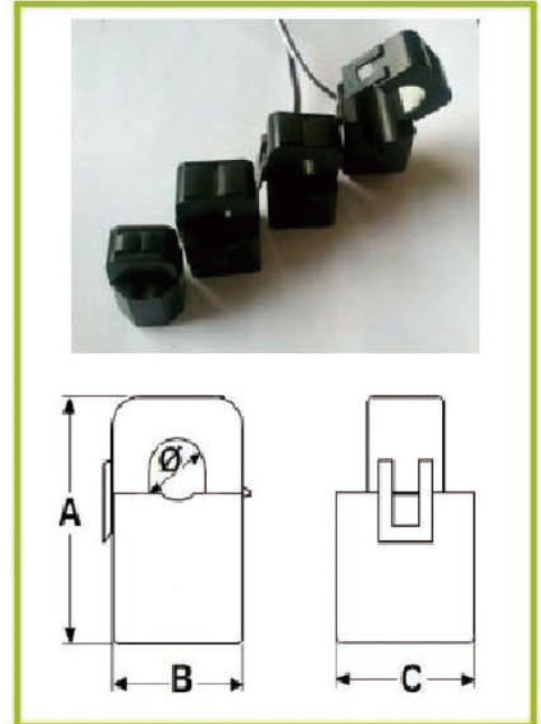
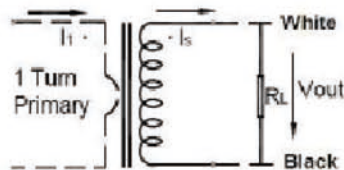
Features

- The structure of the self-locking, 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	50-2KHz
Rated Input	5A-630A
Measuring range	10%In-130%In
Rated Output	0.333V(AC) or 0-500mA
Ratio	$\pm 1.0\%$
Phase angle	$\leq \pm 60\text{min}$
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PA /UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	UL1015 20AWG Wire(twinsted wire) 2.5m

Type Selection (Output: mA/V)

Mfg P/N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm/inch)			
				Ø	A	B	C
KCT-005	5-20A (5、8A、10、15、20)	0-25mA 0.333V	0.5、1.0、3.0	5.0 (0.20)	31.5 (1.24)	19.5 (0.77)	21.0 (0.83)
KCT-010	5-75A (5、10、20、50、75)	0-50mA 0.333V	0.5、1.0、3.0	10.0 (0.39)	41.0 (1.61)	24.0 (0.94)	26.5 (1.04)
KCT-016	5-150A (5、10、50、100、150)	0-100mA 0.333V	0.5、1.0、3.0	16.0 (0.63)	45.5 (0.22)	29.0 (1.14)	31.5 (1.24)
KCT-024	10-250A (10、50、100、200、250)	0-200mA 0.333V	0.5、1.0、3.0	24.5 (0.96)	65.0 (2.56)	45.0 (1.77)	40.0 (1.57)
KCT-035	10-630A (20、100、250、400、600)	0-500mA 0.333V	0.5、1.0、3.0	35.7 (1.41)	81.5 (3.21)	57.0 (2.24)	51.0 (2.01)