



## Description

This Resin molded current transformer is of Donut type, used for current measurement of Ac circuit rated 50/60Hz and voltage 660V and below, The product is of resin-casting type with molded fixed mounting base plate.

This resin type current transformer provides an extensive range from 50A/5A up to 5000A/5A or secondary rated at 1A as per request. It is applicable for electric cable or busbar installations. It can withstand higher temperature as compare to conventional PVC encapsulated or tape wound current transformer.

## Structure feature

Current transformer is made of high quality cold-rolled oriented silicon steel, the secondary coil (rated 5A mper or 1A) is made of heavy formex copper magnet wire, then insulated with high quality resin material to obtain higher insulation level and temperature tolerance.

## Technical parameter

1. System voltage: 660VAC maximum
2. Test voltage: 2.5kV r.m.s for 1 minute
3. System frequency: 50/60Hz
4. Primary rating: 50-5000A
5. Secondary output: 5A is standard
6. Short circuit thermal: 5kV for 1 sec
7. Overload withstand: 1.2 times rated currents continuously
8. rated dynamic current: 7.5kA for 2 sec
9. Insulation class IEC85, BS2757: class E
10. Operating temperature: 40°C to 85°C
11. Humidity: up to 95% RH (non condensing)
12. Enclosure: flame retardant
13. Comply with: IEC-60094-1

## Applications

1. AC current measurement with AC ammeter, Demand meter, PF meter, KW meter, Kwhr meter (Sub-metering), current transducer, digital measuring instruments.
2. Applicable to general switchgear and marine switchgear installations.
3. Applicable to analog and digital types of overcurrent relays.
4. Applicable to electronic type of motor protection relays.
5. Applicable to inverter and soft starter for c.t. ratio.

## Overall and mounting dimensions(mm)

Type	Primary Current	H	h	φD	φd	B	L	I	Class
iCT-32	30(60)	130	72	88	32	47	110	85	1
iCT-32	50	130	72	88	32	47	110	85	1
iCT-32	75	130	72	88	32	47	110	85	1
iCT-32	100	130	72	88	32	47	110	85	1
iCT-32	150	130	72	88	32	47	110	85	1
iCT-65	200	152	79	111	65	46	110	85	0.5
iCT-65	250	152	79	111	65	46	110	85	0.5
iCT-65	300	152	79	111	65	46	110	85	0.5
iCT-65	400	152	79	111	65	46	110	85	0.5
iCT-65	500	152	79	111	65	46	110	85	0.5
iCT-65	600	152	79	111	65	46	110	85	0.5
iCT-105	800	200	99	161	105	46	153	118	0.5
iCT-105	1000	200	99	161	105	46	153	118	0.5
iCT-125	1200	222	115	181	125	50	180	148	0.5
iCT-125	1500	222	115	181	125	50	180	148	0.5
iCT-150	1600	260	134	216	152	50	223	178	0.5
iCT-150	2000	260	134	216	152	50	223	178	0.5
iCT-150	2500	260	134	216	152	50	223	178	0.5
iCT-150	3000	260	134	216	152	50	223	178	0.5
iCT-150	4000	260	134	216	152	50	223	178	0.5
iCT-150	5000	260	134	216	152	50	223	178	0.5

