



Resin Cast Instrument Transformers

Indoor Applications

Gemini Instratech manufactures a wide range of CTs (Wound Primary / Bar Primary / Window) available from 3.6 kV to 36 kV. Current Transformers are cast using a liquid resin system with plasticizer processed under vacuum at controlled temperatures. All CTs have been type tested as per latest revision of IEC 60044-1. A variety of different frames cover CTs with primary currents ranging from 5 Amperes to 5000 Amperes. CT designs are tailor-made to suit customer requirements for specific applications.

Gemini's design philosophy aims at the following aspects :

- Manufactured using high grade of Epoxy Resin System.
- Suitable for temperature range -40° C to +80° C.
- High mechanical stability of the winding and high strength against impulse and surge voltages.
- high mechanical strength against the forces developed during dynamic currents.

Current Transformers Specification



11kV Indoor Resin Cast CT Round Window Type



11kV Indoor Resin Cast CT Round Wound Type



33kV Indoor Resin Cast CT Round Wound Type

	Unit						
Standard	IEC 60044-1 (2003); IS 2705 (1992)						
Highest System Voltage	kV	3.6	7.2	12	17.5	24	36
One Min, Power Frequency Voltage	kV	15	28	38	38	50	95
Lightning Impulse	kVp	40	60	95	95	125	200
Max. Short Time Current for 3 seconds	kA	40	40	40	40	40	40

Voltage Transformers Specification



**11kV Indoor Resin Cast
VT with fuse**



**33kV Indoor Resin Cast
VT House Type**



**33kV Indoor Resin Cast
VT Round Wound Type**

	Unit						
Standard	IEC 60044-2 (2003); IS 3156 (1992)						
Highest System Voltage	kV	3.6	7.2	12	17.5	24	36
One Min, Power Frequency Voltage	kV	15	28	38	38	50	95
Lightning Impulse	kVp	40	60	95	95	125	200
Max. Voltage Factor	kA	1.2 continuous /1.9 for 8 hrs.					