



Resin Cast CTs and PTs

Instrument Transformer
Division

(Low Tension to Medium Voltage)



RANGE OF MANUFACTURE :

1. Tapewound ring type current Transformers with and without mounting arrangements.
2. Tapewound ring type CTs with sealing arrangements.
3. Tapewound wound primary CTs (WPL)
4. Resincast (epoxy) BPL CTs.
5. Resincast (epoxy) wound primary (WPL) CTs.
6. Bushing CTs (Fibreglass taped).

CORE BALANCE CTs (Resincast)

These are used in detecting earth faults of very small magnitude. A three phase cable is passed through these CTs & the unbalanced currents in the three phases set up a differential flux giving rise to a current on the secondary side of these CTs sufficient to actuate a relay.

INTERPOSING CURRENT TRANSFORMERS (RESINCAST) :

Used in matching the ratios of main feeder CTs for differential protection schemes. These also find application as saturable CTs used in conjunction with main feeder CTs and thus protect the meters connected to these by limiting the current flowing through the meters.

SUMMATION CTs (RESINCAST) :-

Current transformers intended to summate the currents in a number of feeders in association with the feeder CTs is called summation Transformer. The performance / testing of these CTs are governed by IS-6949-1973, BS-3938, IEC-185.

BUSHING CTs (FIBREGLASS TAPED) :-

Widely used by Transformer manufacturers for use in oil.

PORTABLE CTs.

With class 0.2 accuracy for metering & testing purpose.

FURNACE CTs.

CTs. WITH ABS CASING AND WITH SEALING ARRANGEMENTS :-
Widely used by Electricity Board along with Energy meters.

LOW TENSION POTENTIAL TRANSFORMER (TAPEWOUND / RESINCAST)

These are offered in various ratios from 1100 / 110V to 50 / 75V to suit the exact applications of the clients. Rated burdens upto 100 VA with accuracy classes of 1 or 0.5 can be offered. Various other types of low tension instruments transformers are also manufactured by us to suit the exact requirements of our clients. Our team of specialised Engineers will be pleased to be of assistance to the clients in proper selection of instruments transformers for their applications.

PROTECTION AND CLASS PS (CLASS X) CTs. BOTH IN TAPEWOUND / RESINCAST :

CTs, With class 'PS' / class 'X' for differential protection / BUS coupler application.

The CTs / PTs manufacture by us conform to ISS 2705, BS 3938 and IEC 185-186 standards.

LOW TENSION INDOOR MEDIUM VOLTAGE EPOXY RESIN CAST CURRENT & VOLTAGE TRANSFORMERS

CURRENT TRANSFORMER

| | |
|---|---|
| TYPE | : Block Type (Wound Primary), Bar Type (Embedded bar). |
| OPERATING VOLTAGE (MAXIMUM) | : 3.6 KV, 7.2 KV, 12 KV, 24 KV, 36 KV |
| PRIMARY CURRENT | : Upto 2500 Amps. |
| SECONDARY CURRENT | : 5 A OR 1A (Others on request). |
| SHORT TIME THERMAL CURRENT & ITS DURATION | : Upto 40 KA for 1 Second (Others on request) |
| RATED BURDEN | : 5, 10, 15, 20, 30 VA (Others on request). |
| ACCURACY CLASS | : 0.2, 0.5, 1.0, 5P10, 5P15 (Others on request). For Differential Protection, Bus Bar Protection, CT with accuracy class PS can be offered. |
| FREQUENCY | : 50 Hz. |
| REFERENCE STANDARD | : IS-2705 / I.E.C. 60044.1. |

ELECTRICAL SPECIFICATIONS

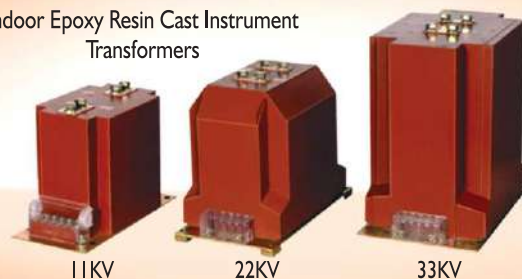
VOLTAGE TRANSFORMER

| | |
|-----------------------------|---|
| TYPE | : Single Pole insulated & Double Pole insulated. |
| OPERATING VOLTAGE (MAXIMUM) | : Single Pole insulated : 3.6 KV, 7.2 KV, 12 KV, 24 KV, 36 KV, Double Pole insulated : 3.6 KV, 7.2 KV, 12 KV, 24 KV. |
| SECONDARY VOLTAGE | : 110V, 110V/3, 110V/3 (Others on request). |
| RATED BURDEN | : 50 VA, 100 VA, 150 VA, 200 VA (Others on request). |
| ACCURACY CLASS | : 0.2, 0.5, 1.0, 3.0, 3P, 6P. |
| FREQUENCY | : 50 Hz. |
| SYSTEM EARTHING | : Earhted / Uearthed. |
| REFERENCE STANDARD | : IS-3156 / I.E.C. 60044.2. |

Low Tension Instrument Transformers



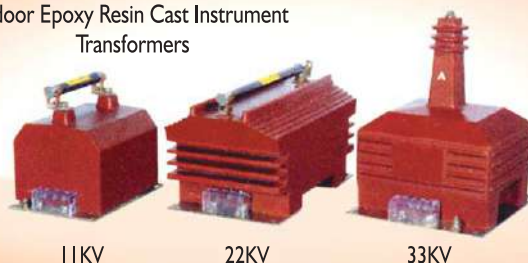
Indoor Epoxy Resin Cast Instrument Transformers



Indoor Epoxy Resin Cast Instrument Transformers



Indoor Epoxy Resin Cast Instrument Transformers



H.V. TESTER 2.5 KV TO 200KV



FEATURES :

- Manually operated control transformer (Variable auto-transformer) with zero interlock facility.
- Double range (0-2kV / 0-5kV) voltmeter provided to read H.T. Voltage.
- Double range (0-100mA) A.C. Milliammeter provided in the earth end of the H.T. winding to read H.T. Current.
- Automatic tripping circuit is provided for isolation of supply, in the event of failure of the object under test. Rotary switch with four different settings of 5,10,50 & 100mA is provided on front panel with LED indication.
- M.C.B. for short circuit protection.
- H.T. On push button, Mains ON & H.T. ON LED indication.
- Range selection switch to select 2.5kV or 5kV range with LED indication.
- Two spring loaded test prods with 1 metre long cable for safe & easy connection of high voltage to test object.
- Applications - Testing of Insulation of electrical apparatus at high voltage values recommended by applicable relevant.