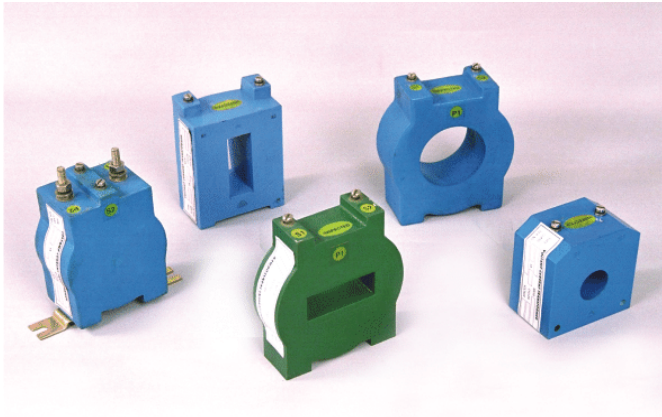


LOW TENSION CURRENT TRANSFORMER



GENERAL INFORMATION

MARSZ Current transformers are made in range of measuring and protection type considering quality, accuracy and reliability as prime factors. MARSZ Current Transformers can be used for metric and imperial size bus-bars.

CONSTRUCTION OF TAPE WOUND/RESIN CAST CURRENT TRANSFORMERS

MARSZ Current Transformers are made from high magnetic performance prime C.R.G.O. Silicon Electrical Steel. The performance of the core is checked to meet final parameters such as ratio, rating and accuracy. The current transformer is finally completed by placing PVC washers on top and bottom and then taped closely with polyester film and polyvinyl chloride tape. Proper lugs are provided on secondary terminals with S1 and S2 markings. For resin cast ct's the wound ct is moulded in epoxy / polyester resin. Anodized / Printed name plate is slipped within outer tape mentioning specifications and P1, P2 direction.

APPLICATIONS :

Suitable for Ammeters, Watt-meters, Power Factor meters and Protective Relays.

In addition to the above we can offer current transformers to your requirement with various combinations of ratios, burden, accuracy class

SUGGESTED BURDEN GUIDE

- Moving Iron Ammeters 1.5 VA to 5 VA
- Recording Ammeters 2 VA to 10 VA
- Rec Thermal Demand Watt meters 0.7 VA to 1.4 VA
- KWH Meters 0.3 VA to 0.6 VA
- Thermal Demand Ammeters 3 VA
- Thermal Max Demand Ammeters 4 VA to 8 VA
- Cable 7/029 5 Amp Secondary 0.05 VA/ft.
- Cable 7/029 1 Amp Secondary 0.002 VA/ft.

DIRECTIONS FOR USE

- The secondary circuit of the transformer must be grounded. Make sure that secondary circuit is never opened while current is flowing in primary windings, otherwise dangerous high voltage will result. The grounding of secondary circuit eliminates error due to accumulation of electrostatic charges on the instrument.
- Secondary winding should be short circuited and the line voltage should be cut when changing instruments or when not in use.
- For the primary winding, to which the line of voltage is directly applied, use a wire insulated well enough to withstand the specified maximum line voltage.



LIMITS OF ERROR FOR ACCURACY CLASSES 0.1 TO 5.0 (Clauses 3.21 and 4.1 and 3.2.2) ISS 2705 / 92

Accuracy Class	± Percentage Current (Ratio) Error At Percentage of Rated Current					± Phase Displacement in Minutes At Percentage of Rated Current			
	5	20	50	100	120	5	20	100	120
0.1	0.4	0.2	Not Applicable	0.1	0.1	15	8	5	5
0.2	0.75	0.35		0.2	0.2	30	15	10	10
0.5	1.5	0.75		0.5	0.5	90	45	30	30
1.0	3.0	1.5		1.0	1.0	180	90	60	60
3.0				3.0	3.0				
5.0			5.0	5.0					