

LT CURRENT TRANSFORMERS

- Low Tension CTs are constructed primarily into two types viz wound primary and window type.
- They may be Resin Cast, Tape Insulated or Varnish impregnated depending upon the requirement of Customer.
- Depending upon the requirement of Customer we manufacture special purpose transformers like Core Balance Current Transformer, Summation CT, Slip on CT, Split Core CT etc.



L.T. Indoor Resin Cast
Pedestal Ring Type
Current Transformer



L.T. Indoor Resin
Cast Window Type
Current Transformer



L.T. Indoor Resin Cast
Ring Type (Slip On)
Current Transformer



L.T. Indoor Resin Cast
Wound Primary Type
Current Transformer



L.T. Indoor Resin
Cast Ring Type
Current Transformer



L.T. Indoor Resin Cast
Bar Primary Type
Current Transformer

Technical Specifications and Parameter

Ref. Standard	IS/IEC/ANSI
Um	415V
Test Voltages	3kV
Rated Primary Current - I _{pn}	Up to 5000A
Rated Secondary Current I _{sn}	5A or 1A
Rated Short Time Current - I _{th}	50kA
Rated Peak Current - I _{dyn}	2.5 X I _{th}
Core(s), Number of Cores	Must be determined on the basis of requirements accuracy class, over-current value, burden
Insulation Class	E or Higher
Frequency	50Hz / 60Hz

LT VOLTAGE TRANSFORMERS

- Low Tension VTs are of Single Phase and Three Phase type.
- VTs can be manufactured in Resin Cast and Tape Insulated.



L. T. Indoor Resin Cast Single Phase Voltage Transformer



L. T. Indoor Resin Cast Three Phase Voltage Transformer

Technical Specifications and Parameter

Ref. Standard	IS/IEC/ANSI
Um	415V
Test Voltages	3kV
Rated Primary Current - I _{pn}	110/V ₃ or 415/V ₃
Rated Secondary Current I _{sn}	110/V ₃ or 100/V ₃
Rated Secondary Voltage For Open Delta Winding	110/3 or 100/3
Burden	Up To 500VA
Metering Accuracy Class	0.2/0.5/1.0/3.0
Protection Accuracy Class	3P/6P
Voltage Factor	1.2 Cont. & 1.9 For 8 Hrs.
Insulation Class	E or Higher
Frequency	50Hz / 60Hz

CONTROL / AUXILIARY TRANSFORMERS

- Low Tension Transformers range includes Control Transformers and Auxiliary Transformers
- Control transformers are specifically used to provide control supply voltage for the control circuits
- It can be produced in Three Phase and Single Phase



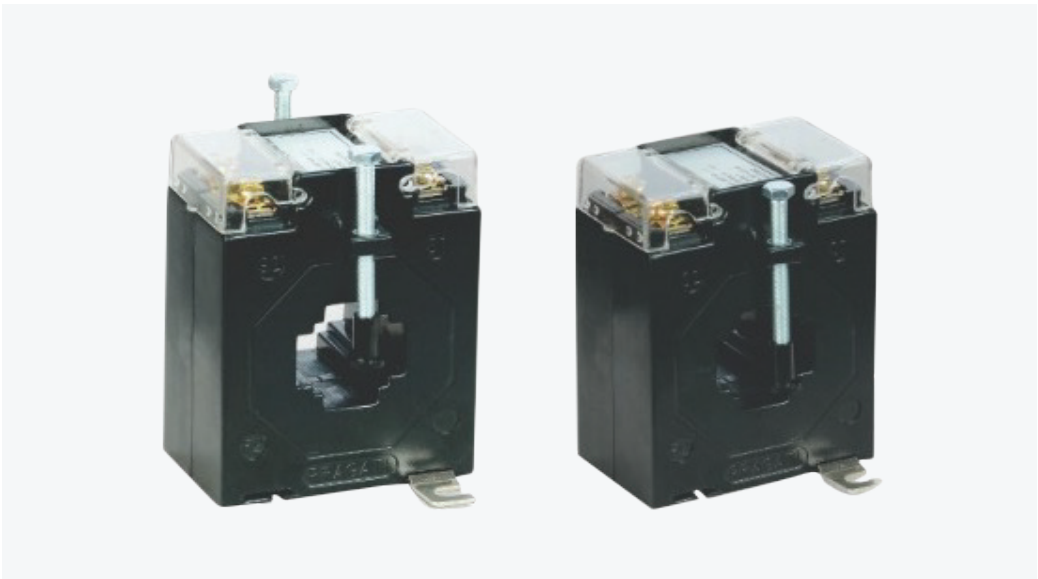
LT Control

Technical Specifications and Parameter

Ref. Standard	IS/IEC/ANSI
Um	415V
Test Voltages	3kV
Rated Primary Voltage	415V
Rated Secondary Voltage	415V or 230V
Power Output	Up to 250kVA
Insulation Class	B or Higher
Frequency	50Hz / 60Hz

ABS MOULDED CURRENT TRANSFORMERS

- Compact in size
- Cost effective moulded case CT
- Flame retardant of grade UL94 V0
- High Temperature Withstand Capacity
- CTs are ultrasonically welded and unbreakable



ABS Moulded
LT Current Transformer

Technical Specifications and Parameter

Ref. Standard	IS/IEC/ANSI
Um	415V
Test Voltages	3kV
Rated Primary Current - Ipn	Up to 3000A
Rated Secondary Current Isn	5A or 1A
Model & Drawing No.	As Per Catalog
Accuracy Class	As Per Catalog
Insulation Class	E
Frequency	50Hz / 60Hz

[illegible]

Technical drawing of a rectangular container. The drawing shows a front view and a side view. The front view is a rectangle with a width of 70 and a height of 67. The side view is a rectangle with a width of 45 and a height of 67. The container has a base of 82 and a top of 67. The drawing includes dimension lines and numerical values for the dimensions.

Primary Current (A)	Secondary - 5A or 1A			
	Accuracy			
	0.2s	0.2	0.5	1
30				1 VA
40				1.5 VA
50				1.5 VA
60				2.5 VA
70			1.5VA	2.5VA
80				3.75VA
100	1.5VA	1.5VA	2.5VA	5VA
120	1.5VA	1.5VA	2.5VA	5VA
125	1.5VA	1.5VA	2.5VA	5VA
150	1.5VA	1.5VA	5VA	7.5VA
200	2.5VA	2.5VA	10VA	15VA
250	2.5VA	2.5VA	10VA	15VA
300	2.5VA	5VA	10VA	15VA
400	5VA	7.5VA	15VA	20VA
500	5VA	10VA	15VA	20VA
600	5VA	15VA	15VA	20VA
750	7.5VA	20VA	20VA	30VA
800	10VA	30VA	30VA	30VA

Technical drawing of a rectangular container. The drawing shows a top-down view of the container with a central vertical line indicating the lid hinge. Dimensions are provided in millimeters (mm):

- Overall width: 70
- Overall height: 67
- Inner width (lid opening): 45
- Inner height (lid opening): 67
- Bottom flange width: 82
- Bottom flange height: 6.5

Primary Current (A)	Secondary - 5A or 1A			
	Accuracy			
	0.2s	0.2	0.5	1
40A				1VA
50A				1VA
60A				1VA
75A				1.5VA
80A				1.5VA
100A			1.5VA	2.5VA
120A			1.5VA	2.5VA
125A			1.5VA	2.5VA
150A			2.5VA	3.75VA
200A	2.5VA	2.5VA	3.75VA	5VA
250A	2.5VA	2.5VA	5VA	7.5 VA
300A	2.5VA	2.5VA	5VA	7.5VA
400A	5VA	5VA	7.5VA	12.5VA
500A	5VA	7.5VA	10VA	15VA
600A	5VA	10VA	15VA	20VA
750A	5VA	10VA	15VA	20VA
800A	7.5VA	15VA	15VA	20VA
1000A	10VA	15VA	15VA	20VA

Technical drawing of a rectangular container. The drawing shows a front view with a lid. Dimensions are indicated in millimeters (mm):

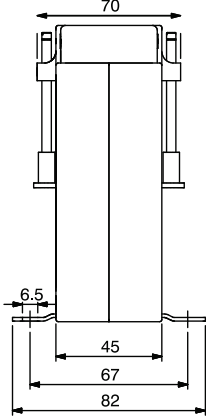
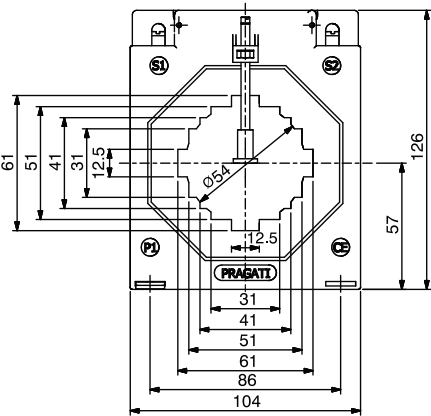
- Top width: 70
- Bottom width: 82
- Inner width: 45
- Inner height: 67
- Side flange width: 6,5

Primary Current (A)	Secondary - 5A or 1A			
	Accuracy			
	0.2s	0.2	0.5	1
100A				15VA
120A				15VA
125A				15VA
150A				25VA
200A			15VA	375VA
250A	15VA	15VA	2.5VA	5VA
300A	15VA	15VA	3VA	75VA
400A	2.5VA	2.5VA	5VA	75VA
500A	3VA	5VA	75VA	10VA
600A	5VA	75VA	10VA	125VA
750A	5VA	10VA	12.5VA	15VA
800A	5VA	10VA	12.5VA	15VA
1000A	5VA	10VA	12.5VA	15VA

Primary Current (A)	Secondary - 5A or 1A			
	Accuracy			
	0.2s	0.2	0.5	1
2.00A				15VA
250A			15VA	2.5VA
300A			2.5VA	75VA
400A		15VA	5VA	10VA
500A		1.5VA	5VA	10VA
600A		2.5VA	75VA	12.5VA
750A	5VA	5VA	10VA	15VA
800A	5VA	75VA	10VA	15VA
1000A	75VA	12.5VA	20VA	20VA
1200A	10VA	15VA	20VA	30VA
1250A	10VA	15VA	20VA	30VA
1500A	10VA	15VA	20VA	30VA
1600A	10VA	15VA	20VA	30VA
2000A	10VA	15VA	20VA	30VA

Model No.: PET - R - 104 - 60- [45]

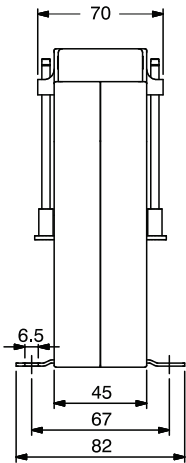
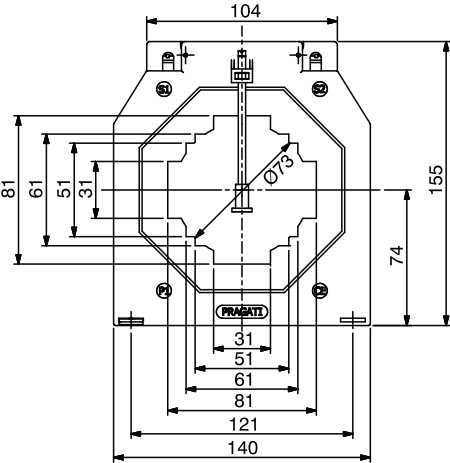
Drawing No.: PR - 6086



Primary Current (A)	Secondary - 5A or 1A			
	Accuracy			
	0.2s	0.2	0.5	1
100A				1.5VA
120A				2.5VA
125A				2.5VA
150A				5VA
200A			2.5VA	10VA
250A		1.5VA	5VA	12.5VA
300A	1.5VA	2.5VA	7.5VA	15VA
400A	2.5VA	3.75VA	10VA	15VA
500A	3.75VA	7.5VA	10VA	20VA
600A	5VA	10VA	15VA	30VA
750A	5VA	15VA	15VA	30VA
800A	7.5VA	15VA	20VA	30VA
1000A	10VA	20VA	30VA	45VA
1200A	10VA	30VA	30VA	45VA
1250A	10VA	30VA	30VA	45VA
1500A	10VA	30VA	30VA	45VA
1600A	10VA	30VA	30VA	45VA

Model No.: PET - R - 140 - 80- [45]

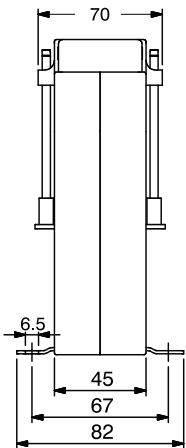
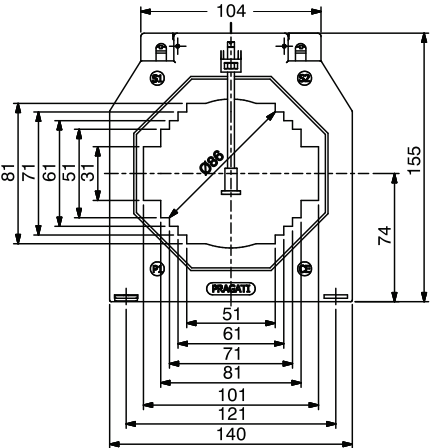
Drawing No.: PR - 6088



Primary Current (A)	Secondary - 5A or 1A			
	Accuracy			
	0.2s	0.2	0.5	1
200A			2.5VA	5VA
250A			5VA	10VA
300A		1.5VA	7.5VA	15VA
400A		2.5VA	10VA	20A
500A	2.5VA	5VA	15VA	30VA
600A	3.75VA	7.5VA	15VA	30VA
750A	5VA	10VA	15VA	30VA
800A	5VA	10VA	15VA	45VA
1000A	10VA	15VA	30VA	45VA
1200A	12.5VA	15VA	30VA	60VA
1250A	12.5VA	30VA	60VA	60VA
1500A	15VA	30VA	60VA	60VA
1600A	15VA	30VA	60VA	60VA
2000A	15VA	30VA	60VA	60VA

Model No.: PET - R - 104 - 100- [45]

Drawing No.: PR - 6087



Primary Current (A)	Secondary - 5A or 1A			
	Accuracy			
	0.2s	0.2	0.5	1
2.00A			1.5VA	3.75VA
250A			2.5VA	5VA
300A			3.75VA	7.5VA
400A		1.5VA	7.5VA	10VA
500A		2.5VA	10VA	12.5VA
600A	2.5VA	3.75V	10VA	15VA
750A	5VA	A	15VA	20VA
800A	5VA	5VA	15VA	20VA
1000A	5VA	5VA	15VA	20VA
1200A	10VA	10VA	15VA	30VA
1250A	10VA	15VA	15VA	30VA
1500A	15VA	15VA	20VA	30VA
1600A	15VA	20VA	20VA	45VA
2000A	15VA	20VA	45VA	45VA
2500A	15VA	30VA	45VA	45VA
3000A	15VA	30VA	60VA	60VA