



PRECISE ELECTRICALS

An ISO 9001:2015 Company



Product Catalog





Current Transformer Range:

Primary Currents

Upto 12000A

Secondary Currents

5A, 2A, 1A

Accuracy Classes

Metering CTs from class 0.1 to class 5

protection CTs : 10P10 to 5P30

Accuracy limit factor 5,10, 15, 20

Burden

Upto 100 VA

Voltage Transformer Range:

Burden

Upto 300 VA

Control Transformer Range:

Rating

Upto 350 kVA

Commutating Chokes:

Rating

Upto 4000 A





PRECISE ELECTRICALS

Overview

Precise Electricals is one of the leading manufacturers in Low Voltage instrument transformers established in 1971.

We at Precise Electricals manufacture more than 25000 nos. transformers monthly. We manufacture transformers for Switchboard, Switchgear, Furnace application, Isolation purpose and for energy meters.



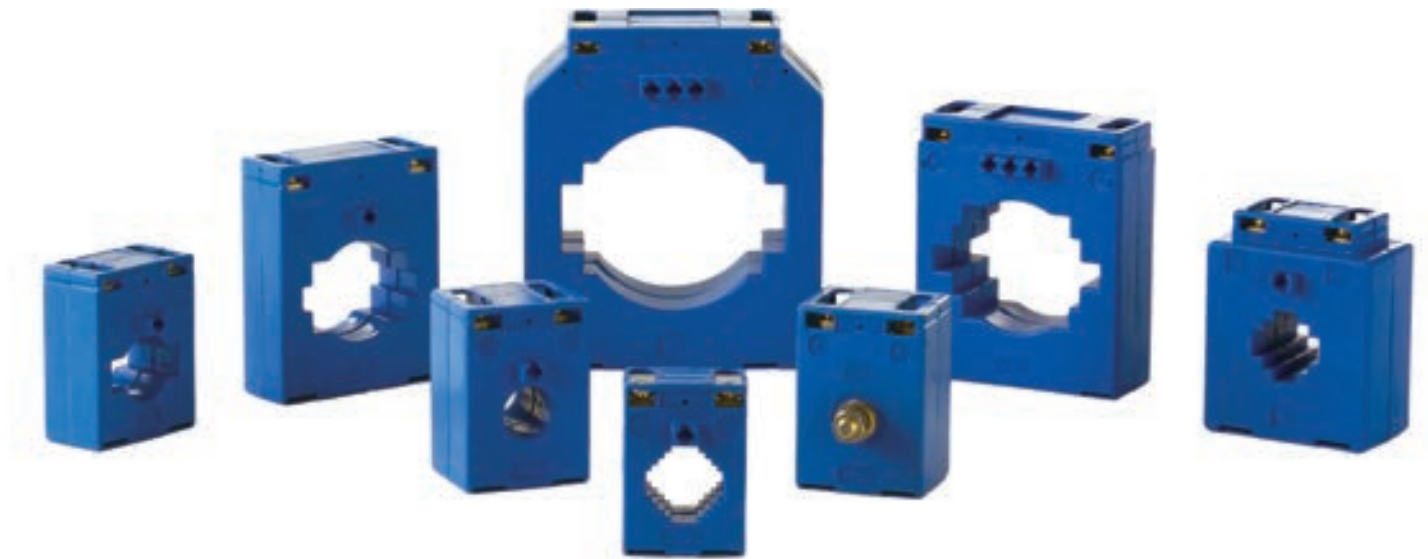
Key Features:

- ★ Our products are known for their high quality, durability and reliability
- ★ Emphasis on design, engineering and manufacturing for more than 40 years
- ★ Adhering to international standards
- ★ Latest technologies along with in-house R & D
- ★ Type Tested for compliance with relevant IS / IEC at ERDA, CPRI and ASTA which are worldwide acceptable certifications
- ★ Competent, well-experienced and professional experts
- ★ Global Presence

Infrastructure

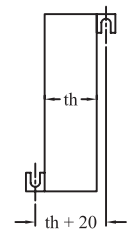
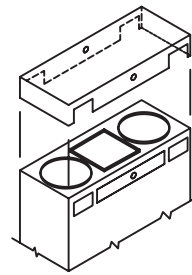
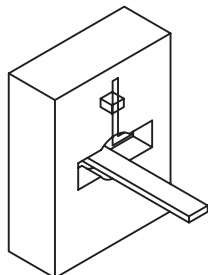
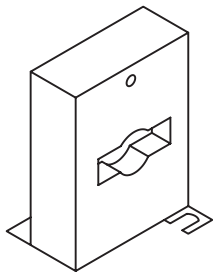
Our company is privileged with a well-structured infrastructure facility. It is further divided into different units such as Marketing & Sales office, Manufacturing Unit, Quality Control Department, Research and Development Unit, Stores, Packaging and Administrative Department located at Wagle Estate, Thane – Maharashtra.

These are efficiently managed by our well-experienced and professional experts. We have also installed some of the advanced equipment and machinery which enable us to supply an entire range of Instrument Transformers.



CURRENT TRANSFORMERS

Glass filled ABS Moulded Current Transformers



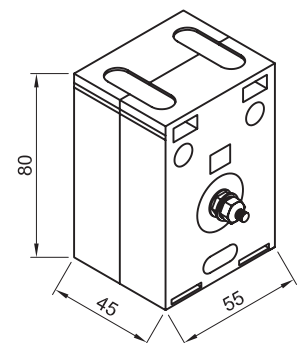
Precise has come out with Glass filled ABS moulded with flame retardant quality CT s. Advantages of these CT s over resin cast CT s are as follows :

- High cost effective
- Very compact in size
- Flame retardant
- High temperature withstand capacity
- With intricate shapes for busbars as well as cable mounting
- Terminals are finger proof touch as per IEC class, i.e. it is not possible to touch live terminals with the fingers since they are shrouded
- CT s are ultrasonically welded. CT s are unbreakable and can withstand drop test of 10ft.
- They are available having very attractive aesthetically designed CT covers
- CT s come with its own mounting arrangement

PE WPL



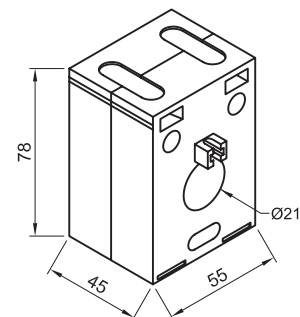
Item Code	Ratio	CLASS	5 VA
PE WPL.5	5/5A	CLASS	1
PE WPL.10	10/5A	CLASS	1
PE WPL.15	15/5A	CLASS	1
PE WPL.20	20/5A	CLASS	1
PE WPL.25	25/5A	CLASS	1
PE WPL.30	30/5A	CLASS	1
PE WPL.40	40/5A	CLASS	1
PE WPL.50	50/5A	CLASS	1
PE WPL.60	60/5A	CLASS	1



PE 201



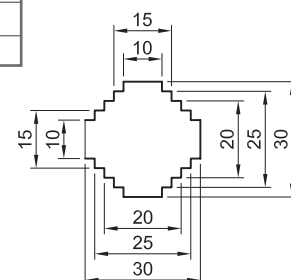
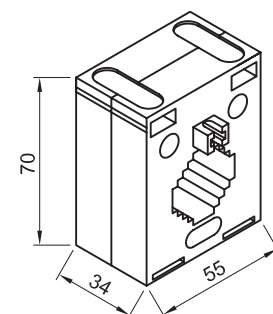
Item Code	Ratio		1.5 VA	2 VA	4 VA	8 VA	10 VA
PE 201.50	50/5A	CLASS	3	-	-	-	-
PE 201.60	60/5A	CLASS	1	-	-	-	-
PE 201.80	80/5A	CLASS	-	1	-	-	-
PE 201.100	100/5A	CLASS	-	-	1	-	-
PE 201.200	200/5A	CLASS	-	-	-	1	-
PE 201.250	250/5A	CLASS	-	-	-	1	-



PE 301



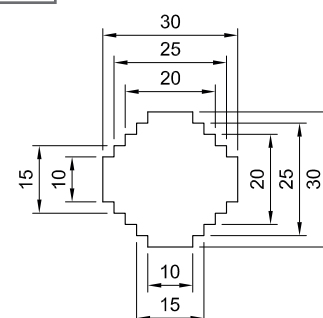
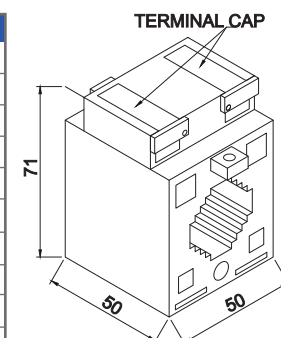
Item Code	Ratio		1 VA	2.5 VA	5 VA	7.5 VA	10 VA
PE 301.75	75/5A	CLASS	3	-	-	-	-
PE 301.80	80/5A	CLASS	3	-	-	-	-
PE 301.100	100/5A	CLASS	1	-	-	-	-
PE 301.125	125/5A	CLASS	1	-	-	-	-
PE 301.150	150/5A	CLASS	1	-	-	-	-
PE 301.200	200/5A	CLASS	-	1	-	-	-
PE 301.250	250/5A	CLASS	-	1	-	-	-
PE 301.300	300/5A	CLASS	-	1	3	-	-
PE 301.400	400/5A	CLASS	-	-	1	-	-
PE 301.500	500/5A	CLASS	-	-	1	-	-
PE 301.600	600/5A	CLASS	-	-	1	-	-



PE 301-N30

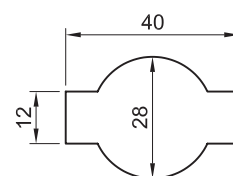
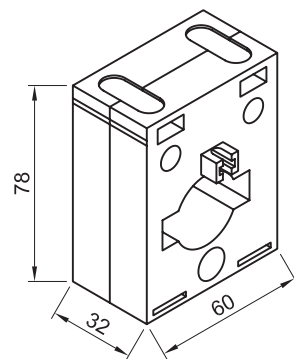


Item Code	Ratio		1 VA	2.5 VA	5 VA	7.5 VA	10 VA
PE N30.75	75/5A	CLASS	3	3	-	-	-
PE N30.80	80/5A	CLASS	3	3	-	-	-
PE N30.100	100/5A	CLASS	1	1	-	-	-
PE N30.125	125/5A	CLASS	0.5	1	-	-	-
PE N30.150	150/5A	CLASS	0.5	1	-	-	-
PE N30.200	200/5A	CLASS	0.5	0.5	1	-	-
PE N30.250	250/5A	CLASS	0.5S	0.5	0.5	3	-
PE N30.300	300/5A	CLASS	0.5S	0.5	0.5	1	-
PE N30.400	400/5A	CLASS	0.5S	0.5S	0.5S	0.5S	0.5
PE N30.500	500/5A	CLASS	0.2	0.2	0.5S	0.5S	0.5
PE N30.600	600/5A	CLASS	0.2S	0.2	0.5S	0.5S	0.5S

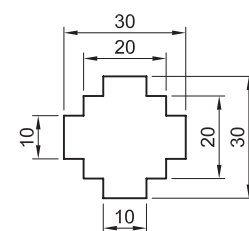
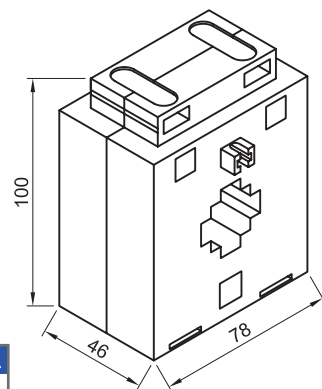


**PE 401**

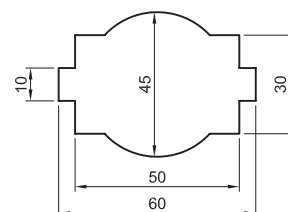
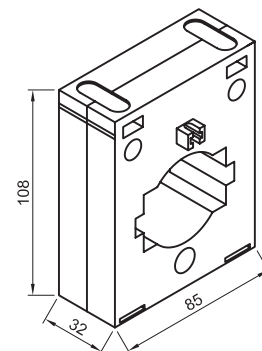
Item Code	Ratio		2.5 VA	5 VA	7.5 VA
PE 401.150	150/5A	CLASS	3	-	-
PE 401.200	200/5A	CLASS	1	-	-
PE 401.250	250/5A	CLASS	1	-	-
PE 401.300	300/5A	CLASS	1	3	-
PE 401.400	400/5A	CLASS	-	1	3
PE 401.500	500/5A	CLASS	-	0.5	1
PE 401.600	600/5A	CLASS	-	0.5	1
PE 401.750	750/5A	CLASS	-	0.5	1
PE 401.800	800/5A	CLASS	-	0.5	1

**PE 501**

Item Code	Ratio		2.5 VA	5 VA	7.5 VA	10 VA	15 VA	25 VA	30 VA
PE 501.100	100/5A	CLASS	1	3	-	-	-	-	-
PE 501.150	150/5A	CLASS	-	0.5	1	-	-	-	-
PE 501.200	200/5A	CLASS	-	-	-	0.5	1	3	-
PE 501.250	250/5A	CLASS	-	-	-	0.5	1	3	-
PE 501.300	300/5A	CLASS	-	-	-	0.5	1	3	-
PE 501.400	400/5A	CLASS	-	-	-	-	-	-	0.5
PE 501.500	500/5A	CLASS	-	-	-	-	-	-	0.5
PE 501.600	600/5A	CLASS	-	-	-	-	-	-	0.5

**PE 601**

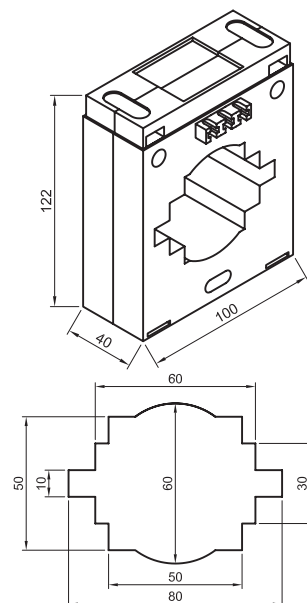
Item Code	Ratio		2.5 VA	5 VA	10 VA	15 VA
PE 601.400	400/5A	CLASS	-	-	1	-
PE 601.500	500/5A	CLASS	-	-	1	-
PE 601.600	600/5A	CLASS	-	-	0.5	1
PE 601.750	750/5A	CLASS	-	-	0.5	1
PE 601.800	800/5A	CLASS	-	-	0.5	1
PE 601.1000	1000/5A	CLASS	-	-	0.5	1
PE 601.1200	1200/5A	CLASS	-	-	-	0.5
PE 601.1250	1250/5A	CLASS	-	-	-	0.5
PE 601.1500	1500/5A	CLASS	-	-	-	0.5
PE 601.1600	1600/5A	CLASS	-	-	-	0.5



PE 801



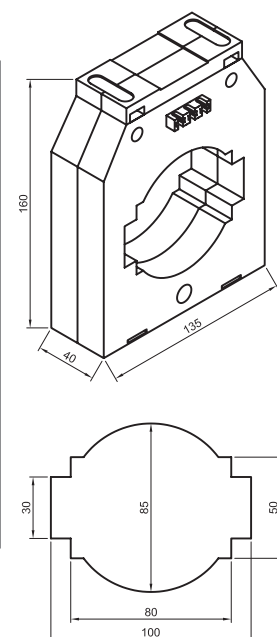
Item Code	Ratio		2.5 VA	5 VA	7.5 VA	10 VA	15 VA
PE 801.400	400/5A	CLASS	-	0.5	1	-	-
PE 801.500	500/5A	CLASS	-	0.5	1	-	-
PE 801.600	600/5A	CLASS	-	0.5	1	-	-
PE 801.750	750/5A	CLASS	-	-	-	0.5	1
PE 801.800	800/5A	CLASS	-	-	-	0.5	1
PE 801.1000	1000/5A	CLASS	-	-	-	0.5	1
PE 801.1200	1200/5A	CLASS	-	-	-	0.5	1
PE 801.1250	1250/5A	CLASS	-	-	-	0.5	1
PE 801.1500	1500/5A	CLASS	-	-	-	0.5	1
PE 801.1600	1600/5A	CLASS	-	-	-	0.5	1
PE 801.2000	2000/5A	CLASS	-	-	-	0.5	1



PE 1001



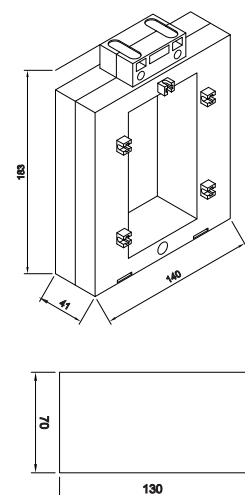
Item Code	Ratio		2.5 VA	5 VA	10 VA	15 VA	30 VA
PE 1001.400	400/5A	CLASS	-	0.5	-	-	-
PE 1001.500	500/5A	CLASS	-	0.5	1	-	-
PE 1001.600	600/5A	CLASS	-	0.5	1	-	-
PE 1001.750	750/5A	CLASS	-	-	0.5	1	-
PE 1001.800	800/5A	CLASS	-	-	0.5	1	-
PE 1001.1000	1000/5A	CLASS	-	-	-	0.5	-
PE 1001.1200	1200/5A	CLASS	-	-	-	0.5	-
PE 1001.1250	1250/5A	CLASS	-	-	-	0.5	-
PE 1001.1500	1500/5A	CLASS	-	-	-	0.5	-
PE 1001.1600	1600/5A	CLASS	-	-	-	0.5/0.2	-
PE 1001.2000	2000/5A	CLASS	-	-	-	0.5/0.2	1
PE 1001.2500	2500/5A	CLASS	-	-	-	0.5/0.2	1
PE 1001.3000	3000/5A	CLASS	-	-	-	-	0.5/0.2
PE 1001.4000	4000/5A	CLASS	-	-	-	-	0.5/0.2



PE 1002

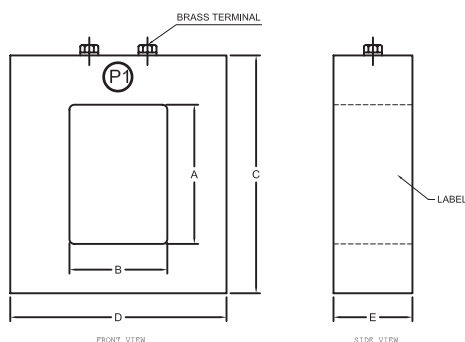


Item Code	RATIO		2.5 VA	5 VA	10 VA	15 VA	20 VA	30 VA	40 VA
PE 1002.400	400/5	CLASS	0.5	1					
PE 1002.500	500/5	CLASS	0.5	0.5	1				
PE 1002.600	600/5	CLASS	0.5	0.5	0.5				
PE 1002.750	750/5	CLASS	0.5S	0.5S	0.5S				
PE 1002.800	800/5	CLASS	0.5S	0.5S	0.5S				
PE 1002.1000	1000/5	CLASS	0.5S	0.5S	0.5S	0.5S			
PE 1002.1200	1200/5	CLASS	0.5S	0.5S	0.5S	0.5S			
PE 1002.1250	1250/5	CLASS	0.2	0.2	0.2	0.2			
PE 1002.1500	1500/5	CLASS	0.2	0.2	0.2	0.2	0.2		
PE 1002.1600	1600/5	CLASS	0.2	0.2	0.2	0.2	0.2	0.5	
PE 1002.2000	2000/5	CLASS	0.2S	0.2S	0.2S	0.2S	0.2S	0.5S	
PE 1002.2500	2500/5	CLASS	0.2S	0.2S	0.2S	0.2S	0.2S	0.2S	0.2S
PE 1002.3000	3000/5	CLASS	0.2S	0.2S	0.2S	0.2S	0.2S	0.2S	0.2S
PE 1002.4000	4000/5	CLASS	0.2S	0.2S	0.2S	0.2S	0.2S	0.2S	0.2S





RESIN CAST BAR PRIMARY CURRENT TRANSFORMERS



- Window Dimensions = A x B (min.)
- Overall Dimensions = C x D (max.)
- Thickness = E (max.)

Note: CT s can also be manufactured other than the standard dimensions, based on the bus-bar sizes to suit the customer requirement.

METERING CURRENT TRANSFORMER

Current transformer intended to transmit an information signal to measuring instruments and meters

Item Code	Sr. No.	Ratio		Burden	Accuracy Class	Dimension (mm)
		Ip (Amp)	Is (Amp)	(VA)		(IDxODxH) - (AB)x(CD)xE
PE-RBM01	1	50	1 & 5	5	3	35x20x95x95x70
PE-RBM02	2	60	1 & 5	5	3	35x20x95x95x70
PE-RBM03	3	100	1 & 5	5	3	35x20x95x95x70
PE-RBM04	4	100	1 & 5	5	1	35x20x120x120x120
PE-RBM05	5	100	1 & 5	10	1	35x20x120x120x120
PE-RBM06	6	100	1 & 5	15	1	35x20x120x120x120
PE-RBM07	7	100	1 & 5	5	1	55x20x120x120x120
PE-RBM08	8	100	1 & 5	10	1	55x20x120x120x120
PE-RBM09	9	100	1 & 5	15	1	55x20x120x120x120
PE-RBM10	10	125	1 & 5	5	1	35x20x120x120x120
PE-RBM11	11	125	1 & 5	10	1	35x20x120x120x120
PE-RBM12	12	125	1 & 5	15	1	35x20x120x120x120
PE-RBM13	13	125	1 & 5	5	1	55x20x120x120x120
PE-RBM14	14	125	1 & 5	10	1	55x20x120x120x120
PE-RBM15	15	125	1 & 5	15	1	55x20x120x120x120
PE-RBM16	16	150	1 & 5	5	1	35x20x120x120x100
PE-RBM17	17	150	1 & 5	10	1	35x20x120x120x100
PE-RBM18	18	150	1 & 5	15	1	35x20x120x120x100
PE-RBM19	19	150	1 & 5	5	1	55x20x120x120x120
PE-RBM20	20	150	1 & 5	10	1	55x20x120x120x120
PE-RBM21	21	150	1 & 5	15	1	55x20x120x120x120
PE-RBM22	22	200	1 & 5	10	1	55x20x95x95x70
PE-RBM23	23	200	1 & 5	15	1	55x20x95x95x70
PE-RBM24	24	250	1 & 5	15	1	55x20x95x95x70
PE-RBM25	25	300	1 & 5	15	1	55x20x95x95x70
PE-RBM26	26	400	1 & 5	15	1	55x20x95x95x70
PE-RBM27	27	500	1 & 5	15	1	80x40x175x95x50
PE-RBM28	28	600	1 & 5	15	1	80x40x175x95x50
PE-RBM29	29	800	1 & 5	15	1	80x40x175x95x50
PE-RBM30	30	1000	1 & 5	15	1	80x40x175x95x50
PE-RBM31	31	1200	1 & 5	15	1	80x40x175x95x50
PE-RBM32	32	1600	1 & 5	15	1	156x70x240x130x50
PE-RBM33	33	2000	1 & 5	15	1	156x70x240x130x50
PE-RBM34	34	2500	1 & 5	15	1	156x70x240x130x50
PE-RBM35	35	3000	1 & 5	15	1	156x70x240x130x50
PE-RBM36	36	4000	1 & 5	15	1	156x70x240x130x50
PE-RBM37	37	5000	1 & 5	15	1	156x70x240x130x50
PE-RBM38	38	6000	1 & 5	15	1	156x70x240x130x50

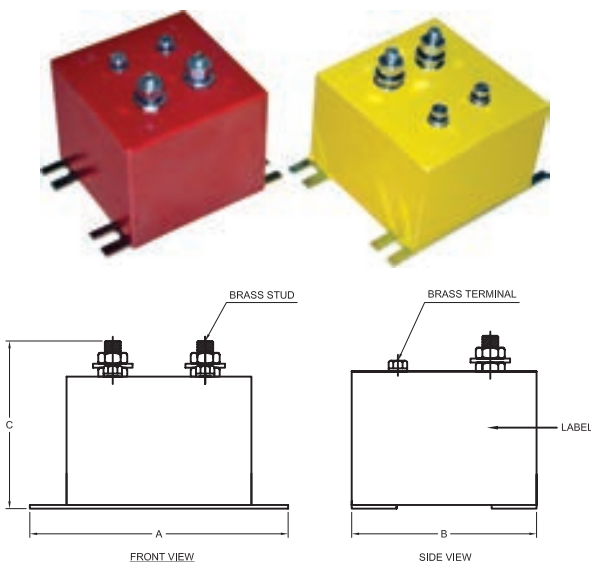
PROTECTION CURRENT TRANSFORMER

Current transformer intended to transmit an information signal to protective and control devices

Item Code	Sr. No.	Ratio		Burden	Accuracy Class	Dimension (mm)
		Ip (Amp)	Is (Amp)	(VA)		(IDxODxH) - (AB)x(CD)xE
PE-RBP01	1	100	1 & 5	15	5P10	35X20X180X170X220
PE-RBP02	2	150	1 & 5	15	5P10	35X20X135X130X120
PE-RBP03	3	200	1 & 5	15	5P10	55X20X135X130X120
PE-RBP04	4	250	1 & 5	15	5P10	55X20X120X105X120
PE-RBP05	5	300	1 & 5	15	5P10	55X20X120X108X104
PE-RBP06	6	400	1 & 5	15	5P10	55X20X120X108X90
PE-RBP07	7	500	1 & 5	15	5P10	80X40X180X125X55
PE-RBP08	8	600	1 & 5	15	5P10	80X40X160X115X65
PE-RBP09	9	800	1 & 5	15	5P10	80X40X165X120X50
PE-RBP10	10	1000	1 & 5	15	5P10	80X40X170X125X45
PE-RBP11	11	1200	1 & 5	15	5P10	80X40X160X120X45
PE-RBP12	12	1600	1 & 5	15	5P10	156X70X240X140X45
PE-RBP13	13	2000	1 & 5	15	5P10	156X70X240X140X45
PE-RBP14	14	2500	1 & 5	15	5P10	156X70X230X150X50
PE-RBP15	15	3000	1 & 5	15	5P10	156X70X230X140X40
PE-RBP16	16	4000	1 & 5	15	5P10	156X115X225X198X40
PE-RBP17	17	5000	1 & 5	15	5P10	156X115X220X180X40
PE-RBP18	18	6000	1 & 5	15	5P10	156X115X230X170X45
Item Code	Sr. No.	Ratio		Burden	Accuracy Class	Dimension (mm)
		Ip (Amp)	Is (Amp)	(VA)		(IDxODxH) - (AB)x(CD)xE
PE-RBP19	1	100	1 & 5	15	5P20	35X20X180X170X220
PE-RBP20	2	150	1 & 5	15	5P20	35X20X140X140X175
PE-RBP21	3	200	1 & 5	15	5P20	55X20X150X145X150
PE-RBP22	4	250	1 & 5	15	5P20	55X20X145X125X140
PE-RBP23	5	300	1 & 5	15	5P20	55X20X140X130X130
PE-RBP24	6	400	1 & 5	15	5P20	55X20X135X125X130
PE-RBP25	7	500	1 & 5	15	5P20	80X40X175X120X100
PE-RBP26	8	600	1 & 5	15	5P20	80X40X175X120X90
PE-RBP27	9	800	1 & 5	15	5P20	80X40X175X120X80
PE-RBP28	10	1000	1 & 5	15	5P20	80X40X175X120X65
PE-RBP29	11	1250	1 & 5	15	5P20	80X42X180X140X50
PE-RBP30	12	1600	1 & 5	15	5P20	156X70X250X155X60
PE-RBP31	13	2000	1 & 5	15	5P20	156X70X140X150X60
PE-RBP32	14	2500	1 & 5	15	5P20	156X70X240X163X50
PE-RBP33	15	3000	1 & 5	15	5P20	156X70X250X160X50
PE-RBP34	16	4000	1 & 5	15	5P20	156X115X242X190X50
PE-RBP35	17	5000	1 & 5	15	5P20	156X115X250X200X50
PE-RBP36	18	6000	1 & 5	15	5P20	156X115X250X210X50

CURRENT TRANSFORMERS

Resin Cast Wound Primary Current Transformers



METERING CURRENT TRANSFORMER

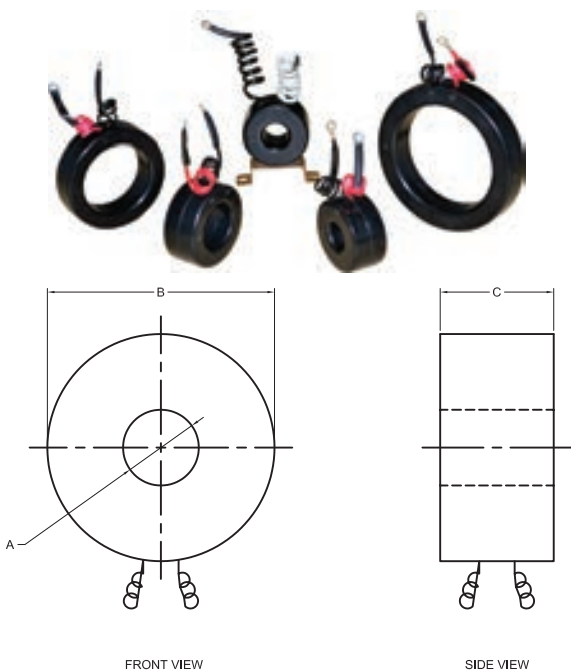
Item Code	Sr. No.	Ratio		Burden (VA)	Accuracy Class	Dimension (mm) (LxWxH) - (AxBxC)
		Ip (Amp)	Is (Amp)			
PE-RWM01	1	1 to 63	1 & 5	5	1	100x65x70
PE-RWM02	2	75 to 125	1 & 5	5	1	125x95x95
PE-RWM03	3	1 to 63	1 & 5	10	1	125x95x95
PE-RWM04	4	75 to 125	1 & 5	10	1	125x95x95
PE-RWM05	5	1 to 63	1 & 5	15	1	125x95x100
PE-RWM06	6	75 to 125	1 & 5	15	1	125x95x100

PROTECTION CURRENT TRANSFORMER

Item Code	Sr. No.	Ratio		Burden (VA)	Accuracy Class	Dimension (mm) (LxWxH) - (AxBxC)
		Ip (Amp)	Is (Amp)			
PE-RWP01	1	1 to 50	1 & 5	5	5P10	160X120X150
PE-RWP02	2	50 to 75	1 & 5	5	5P10	160X120X150
PE-RWP03	3	1 to 50	1 & 5	10	5P10	160X120X150
PE-RWP04	4	50 to 75	1 & 5	10	5P10	160X120X150
PE-RWP05	5	1 to 50	1 & 5	15	5P10	160X120X150
PE-RWP06	6	50 to 75	1 & 5	15	5P10	160X120X150
Item Code	Sr. No.	Ratio		Burden (VA)	Accuracy Class	Dimension (mm) (LxWxH) - (AxBxC)
		Ip (Amp)	Is (Amp)			
PE-RWP07	1	1 to 50	1 & 5	5	5P20	160X120X150
PE-RWP08	2	50 to 75	1 & 5	5	5P20	160X120X150
PE-RWP09	3	1 to 50	1 & 5	10	5P20	160X120X150
PE-RWP10	4	50 to 75	1 & 5	10	5P20	160X120X150
PE-RWP11	5	1 to 50	1 & 5	15	5P20	160X120X150
PE-RWP12	6	50 to 75	1 & 5	15	5P20	160X120X150

Encapsulated/ Tape Wound Current Transformers

Encapsulated/ Tape Wound Metering CTs



Item Code	Ratio	VA/CL	Dim. in mm AxBxC
PE EM01	50/5	5/3	30x85x50
PE EM02	60/5	5/3	30x85x50
PE EM03	75/5	5/3	30x85x50
PE EM04	100/5	2.5-5/1-3	30x85x50
PE EM05	150/5	7.5-10/1-3	30x85x50
PE EM06	200/5	10-15/1-3	52x95x45
PE EM07	250/5	10-15/1-3	52x95x45
PE EM08	300/5	10-15/1-3	52x95x45
PE EM09	400/5	15-30/1-3	60x100x40
PE EM10	500/5	15-30/1-3	60x100x40
PE EM11	600/5	15-30/1-3	60x100x40
PE EM12	800/5	15-30/1-3	80x130x40
PE EM13	1000/5	15-30/1-3	80x130x40
PE EM14	1200/5	15-30/0.5-3	125x175x40
PE EM15	1600/5	15-30/0.5-1	125x175x40
PE EM16	2000/5	15-30/0.5-1	125x175x40
PE EM17	2500/5	15-30/0.5-1	125x175x40
PE EM18	3000/5	15-30/0.5-1	125x175x40

SPECIAL PURPOSE TRANSFORMERS



Resin Filled Poly Carbonate Current Transformers

- Poly carbonate is durable material
- High impact resistance
- Low scratch resistance
- Usable in a wider temperature range
- Compact in size compared to resin cast CT's
- Faster delivery.



CT Operated Relays

These are used in conjunction with contactors and motor control equipment. They provide accurate reliable against overload & single phasing.



Air Circuit Breaker CTs

Air Circuit Breakers are used right upto 6000A. For thermal & thermo magnetic protection CT is integral part. Cts are available in various insulation forms such as castings, thermoplastic & tape insulated



CBCT

- Used for earth fault protection in grounded three phase systems.
- All the three phases are made to pass through the CT inner window



Summation CT

- Consist of two or more primary windings which are connected to the feeders to be summed.
- A single secondary winding, which feeds a current proportional to the summed primary current.



Class PX CTs

- In balance systems of protection, CT's with a high degree of similarity in their characteristics is required. These requirements are met by class PS (PX) CT's.
- Their performance is defined in terms of a knee-point voltage (V_k), the magnetizing current (I_{mag}) at the knee point voltage or $1/2$, $1/4$ the knee-point voltage, and the resistance of the CT secondary winding corrected to 75°C (R_{ct}).



Autotransformer

- In an autotransformer, portions of the same winding act as both the primary and secondary sides of the transformer.
- They are often used to step up or step down voltages in smaller range. (eg: 110-115-120v)



Outdoor Application Current Transformers

- Cyclo-aliphatic outdoor current transformers are used for operation in Outdoor climatic conditions. The insulation of these current transformers is suitable to prevent deterioration due to ultra violet radiation of sunlight. The secondary terminals of these current transformers are housed with a weather resistant and water proof terminal box.

Voltage Transformers

PE 2001



Metering Voltage Transformer (Terminal & Insert Type)
(Resin Cast / Tape Wound)

Item Code	Ratio	VA	Accuracy Class	Dim. in mm LxWxH
PE 2001-01	415R3/110R3	15	1	120X90X130
PE 2001-02	415R3/110R3	25	1	120X100X130
PE 2001-03	415/110	25	1	120X100X130
PE 2001-04	415R3/110R3	50	1	120X115X130
PE 2001-05	415/110	50	1	120X115X130
PE 2001-06	415R3/110R3	50	3	100X100X120
PE 2001-07	415/110	50	3	100X100X120
PE 2001-08	415R3/110R3	100	1	130X120X150
PE 2001-09	415/110	100	1	130X120X150
PE 2001-10	415R3/110R3	100	3	120X115X130
PE 2001-11	415/110	100	3	120X115X130

PE 3001



Protection Voltage Transformer (Terminal & Insert Type)
(Resin Cast / Tape Wound)

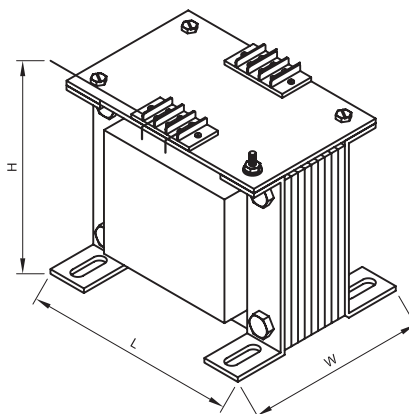
Item Code	Ratio	VA	Accuracy Class	Dim. in mm LxWxH
PE 3001-01	415R3/110R3	15	1/3P	120X90X130
PE 3001-02	415R3/110R3	25	1/3P	120X100X130
PE 3001-03	415/110	25	1/3P	120X100X130
PE 3001-04	415R3/110R3	50	1/3P	120X115X130
PE 3001-05	415/110	50	1/3P	120X115X130
PE 3001-06	415R3/110R3	50	3P	120X105X130
PE 3001-07	415/110	50	3P	120X105X130
PE 3001-08	415R3/110R3	50	6P	120X120X120
PE 3001-09	415/110	50	6P	120X120X120
PE 3001-10	415R3/110R3	100	1/3P	130X120X150
PE 3001-11	415/110	100	1/3P	130X120X150
PE 3001-12	415R3/110R3	100	3P	120X115X130
PE 3001-13	415/110	100	3P	120X115X130
PE 3001-14	415R3/110R3	100	6P	120X115X130
PE 3001-15	415/110	100	6P	120X115X130

PE 4001



Voltage Transformer (Available on Terminal Type)
(Resin Cast / Tape Wound)

Item Code	Ratio	VA	Accuracy Class	Dim. in mm LxWxH
PE 4001-01	415R3/110R3	50	0.5/3P	130X120X150
PE 4001-02	415R3/110R3	50	0.2/3P	155X160X170
PE 4001-03	415R3/110R3	100	0.5/3P	155X160X170
PE 4001-04	415R3/110R3	100(50+50)	50/1-50/3P	130X120X150
PE 4001-05	415R3/110R3	200	1/3P	155X150X170
PE 4001-06	415R3/110R3	200(100+100)	100/0.5-100/3P	155X160X170
PE 4001-07	415R3/110R3	200	0.5/3P	185X200X220



All dimension are in (mm) and are maximum overall dimension



Control Transformers

PE 5001



Single Phase Control Transformer
(Resin Cast / Tape Wound)

Item Code	Ratio	VA	Accuracy Class	Dim. in mm LxWxH
PE 5001-01	-	50	-	100X100X125
PE 5001-02	-	75	-	100X110X125
PE 5001-03	-	100	-	115X110X140
PE 5001-04	-	150	-	115X115X140
PE 5001-05	-	200	-	130X115X140
PE 5001-06	-	250	-	130X130X150
PE 5001-07	-	300	-	130X125X150
PE 5001-08	-	400	-	160X120X170
PE 5001-09	-	500	-	160X120X170
PE 5001-10	-	750	-	160X150X170
PE 5001-11	-	1000	-	200X150X230
PE 5001-12	-	1500	-	200X160X230

All dimension are in (mm) and are maximum overall dimension

PE 6001



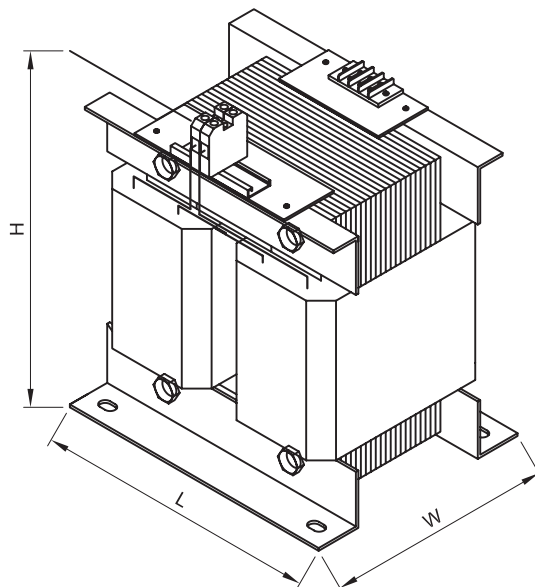
Single Phase Control Transformer
(Resin Cast / Tape Wound)

Item Code	Ratio	VA	Accuracy Class	Dim. in mm LxWxH
PE 6001-01	-	2000	-	250X180X250
PE 6001-02	-	2500	-	250X200X250
PE 6001-03	-	3000	-	250X200X250
PE 6001-04	-	3500	-	260X210X300
PE 6001-05	-	4000	-	260X230X400
PE 6001-06	-	5000	-	275X230X450
PE 6001-07	-	6000	-	300X230X450
PE 6001-08	-	7000	-	325X260X460
PE 6001-09	-	7500	-	325X260X500
PE 6001-10	-	8000	-	350X260X510
PE 6001-11	-	10000	-	350X280X510
PE 6001-12	-	15000	-	350X300X550

All dimension are in (mm) and are maximum overall dimension

Standard voltages (primary = 415V, 240V & secondary = 240V, 110V, 24V)

For control trafo with sec. Voltage 24V, height & width will increase by 100mm & 50mm respectively.



DRY TYPE LIGHTING / WELDING TRANSFORMER

PE 7001

Main feature:

- * Rating upto 350 KVA
- * Single phase & Three phase
- * Natural Air cooled
- * Frequency 50 Hz / 60 Hz
- * Varnish Impregnated / Cast Resin / Epoxy Impregnated
- * Insulation Upto Class H
- * Enclosure Protection upto IP 55
- * Reference Standard : Relevant IS & IEC Standards

Note: The transformers can also be supplied as per customer specific requirement other than the specified above.



150 KVA TRANSFORMER



15 KVA TRANSFORMER
WITH IP-55 ENCLOSURE



100 KVA TRANSFORMER



25 KVA TRANSFORMER



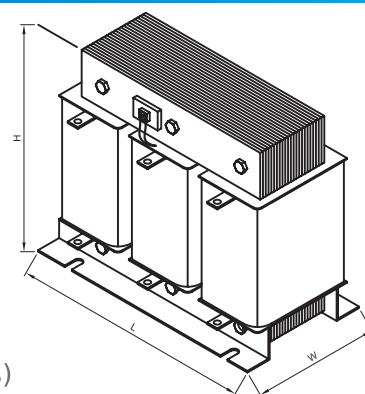
50 KVA TRANSFORMER
WITH IP-23 ENCLOSURE

250 KVA TRANSFORMER
WITH IP-42 & IP-52 ENCLOSURE

30 KVA TRANSFORMER
WITH IP-23 ENCLOSURE

COMMUTATING CHOKES

PE 8001



Harmonic Filter Reactor (Chokes)
(Tape Wound)

Item Code	Ratio	KV Ar	Accuracy Class	Dim. in mm LxWxH
PE 8001-01	-	10	-	200X150X180
PE 8001-02	-	25	-	240X165X210
PE 8001-03	-	50	-	300X200X250
PE 8001-04	-	100	-	400X250X350

All dimension are in (mm) and are maximum overall dimension



SINGLE PHASE POWER / CONTROL TRANSFORMER

PE 9001



Single Phase Varnish Impregnated Coil

Insulation Class: F

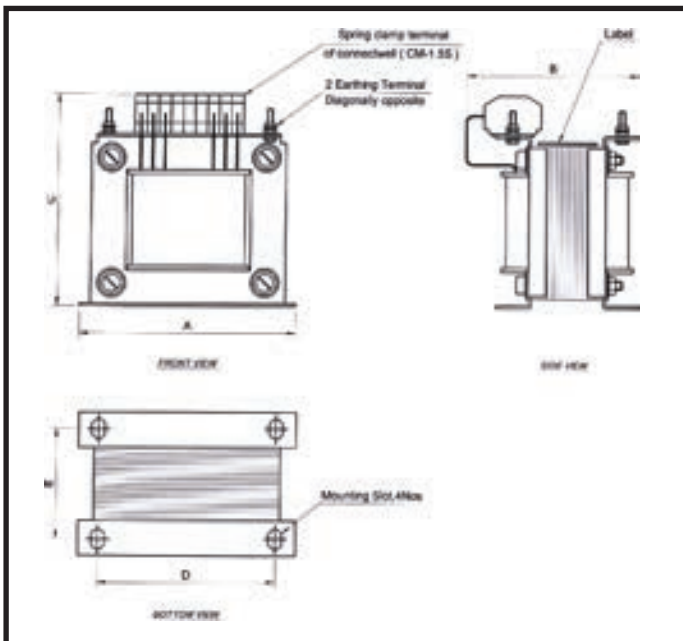
Frequency 50/60 Hz

Open Type Protection Index (IP00)

Max. Ambient Temp. 50° C

With Earthing Terminal

IEC-61869-2 / EN 61558-1-2 / IEC 726 Norms



Ratio				
Primary Voltage			Secondary Voltage	
0-230-400	0-230-415	0-110-220	0-12-24-110	0-12-24

CAT. No.	VA	Overall Dimensions (mm)					Weight Kg.
		A	B	C	D	E	
NCTF0025	25	92	75	90	75	52	1.3
NCTF0040	40	97	80	95	80	50	1.4
NCTF0050	50	97	80	95	80	50	1.6
NCTF0075	75	97	85	95	80	57	1.9
NCTF0100	100	97	95	95	80	70	2.4
NCTF0150	150	114	95	105	95	62	2.5
NCTF0300	300	128	100	122	111	72	4.3

Note: Transformers can also be manufactured other than the specified voltage as per special requirements

RESIN CAST RING TYPE BAR PRIMARY CURRENT TRANSFORMERS

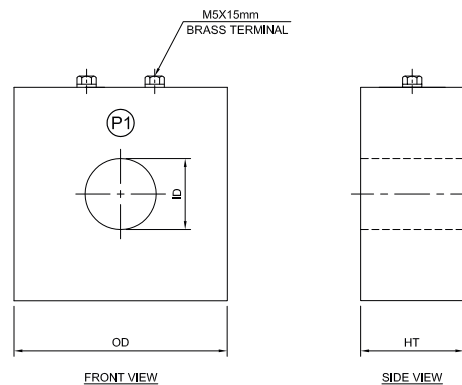
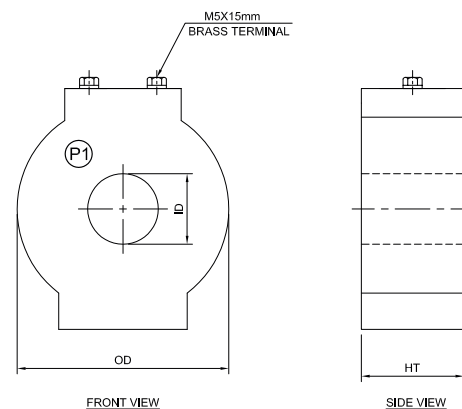
PE 10001



Note: Current transformers can also be manufactured other than the below specified standard dimensions, based on the cable sizes and bus bar sizes to suit customer requirements. It also comes in different outer shapes, other than the standard round shape.

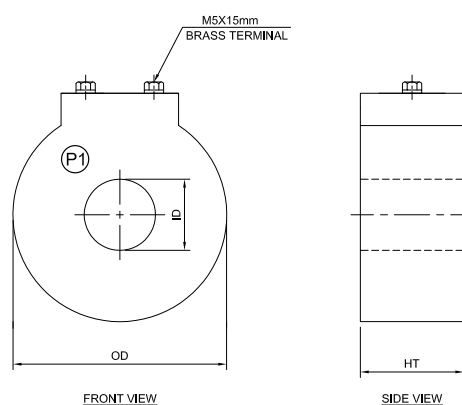
METERING RING TYPE CURRENT TRANSFORMERS

Item Code	Sr. No.	Ratio		Burden (VA)	Accuracy Class	Dimension (mm) IDxODxHT
		Ip (Amp)	Is (Amp)			
PE-RC-OTBP-MT-0001	1	100	1 & 5	5	1	30x80x80
PE-RC-OTBP-MT-0002	2	150	1 & 5	5	1	30x80x80
PE-RC-OTBP-MT-0003	3	200	1 & 5	10	1	50x90x100
PE-RC-OTBP-MT-0004	4	250	1 & 5	10	1	50x90x100
PE-RC-OTBP-MT-0005	5	300	1 & 5	10	1	50x90x100
PE-RC-OTBP-MT-0006	6	400	1 & 5	15	1	60x100x105
PE-RC-OTBP-MT-0007	7	500	1 & 5	15	1	60x100x105
PE-RC-OTBP-MT-0008	8	600	1 & 5	15	1	60x100x105
PE-RC-OTBP-MT-0009	9	800	1 & 5	15	1	80x120x130
PE-RC-OTBP-MT-0010	10	1000	1 & 5	15	1	80x120x130
PE-RC-OTBP-MT-0011	11	1200	1 & 5	15	1	105x165x165
PE-RC-OTBP-MT-0012	12	1250	1 & 5	15	1	105x165x165
PE-RC-OTBP-MT-0013	13	1500	1 & 5	15	1	115x160x165
PE-RC-OTBP-MT-0014	14	2000	1 & 5	15	1	115x160x165
PE-RC-OTBP-MT-0015	15	2500	1 & 5	15	1	130x190x205
PE-RC-OTBP-MT-0016	16	3000	1 & 5	15	1	130x190x205
PE-RC-OTBP-MT-0017	17	3200	1 & 5	15	1	130x190x205
PE-RC-OTBP-MT-0018	18	4500	1 & 5	15	1	200x295x305
PE-RC-OTBP-MT-0019	19	5900	1 & 5	15	1	200x295x305



PROTECTION RING TYPE CURRENT TRANSFORMERS

Item Code	Sr. No.	Ratio		Burden (VA)	Accuracy Class	Dimension (mm) IDxODxHT
		Ip (Amp)	Is (Amp)			
PE-RC-OTBP-PR-0001	1	100	1 & 5	15	5P10	30x160x160
PE-RC-OTBP-PR-0002	2	150	1 & 5	15	5P10	30x130x140
PE-RC-OTBP-PR-0003	3	200	1 & 5	15	5P10	50x150x125
PE-RC-OTBP-PR-0004	4	250	1 & 5	15	5P10	50x145x125
PE-RC-OTBP-PR-0005	5	300	1 & 5	15	5P10	50x140x110
PE-RC-OTBP-PR-0006	6	400	1 & 5	15	5P10	60x145x90
PE-RC-OTBP-PR-0007	7	500	1 & 5	15	5P10	60x140x90
PE-RC-OTBP-PR-0008	8	600	1 & 5	15	5P10	60x140x80
PE-RC-OTBP-PR-0009	9	800	1 & 5	15	5P10	80x150x80
PE-RC-OTBP-PR-0010	10	1000	1 & 5	15	5P10	105x170x70
PE-RC-OTBP-PR-0011	11	1200	1 & 5	15	5P10	105x190x60
PE-RC-OTBP-PR-0012	12	1250	1 & 5	15	5P10	105x190x60
PE-RC-OTBP-PR-0013	13	1500	1 & 5	15	5P10	115x200x60
PE-RC-OTBP-PR-0014	14	2000	1 & 5	15	5P10	115x200x60
PE-RC-OTBP-PR-0015	15	2500	1 & 5	15	5P10	130x185x50
PE-RC-OTBP-PR-0016	16	3000	1 & 5	15	5P10	130x220x60
PE-RC-OTBP-PR-0017	17	3200	1 & 5	15	5P10	130x220x50
PE-RC-OTBP-PR-0018	18	4500	1 & 5	15	5P10	200x285x50
PE-RC-OTBP-PR-0019	19	5900	1 & 5	15	5P10	200x285x50





PRODUCTION FLOOR FOR CURRENT TRANSFORMER



PRODUCTION FLOOR FOR CONTROL / VOLTAGE TRANSFORMER



QUALITY ASSURANCE CONTROL / VOLTAGE TRANSFORMER TEST BENCH



QUALITY ASSURANCE CURRENT TRANSFORMER TEST BENCH

GLOBAL PRESENCE



OUR CUSTOMERS



LARSEN & TOUBRO

SIEMENS



emPowering People

TOSHIBA
Leading Innovation

TRICOLITE
Pledged to Excellence

APPROVED SEMI GOVT. CUSTOMERS



PRECISE ELECTRICALS

Plot No. A/64, Road No.21, Wagle Industrial Estate, Thane (West) - 400 604, India.

Phone : +91 22 2582 1617 | 7067 | 0590 | 1180 | Fax : +91 22 2582 4066

Email : info@preciseelectricals.com | Website : www.preciseelectricals.com