

**FEATURES**

- ▶ High quality material , Flam retarding.
- ▶ Apertures accepting a wide range of Busbar size.
- ▶ Easy Busbar mounting.
- ▶ CT's are ultrasonically welded & are unbreakable.
- ▶ Terminals finger proof touch (Optional).
- ▶ Highly cost effective.
- ▶ Compact in size.

**SPECIFICATIONS**

Primary Current : From 20 A. To 4000 A.  
 Sec. Current : 5A. Or 1A.  
 Test Voltage : 3kV for 1minute  
 System Frequency : 50 Hz or 60Hz  
 I (th) : 60 x In System Voltage : 660 Volts  
 Over load withstand : 1.2 times Current continuously  
 Insulation class : E  
 Mounting Hardware : Feet and Busbar Screws

# TECHNICAL DIMENSIONS

**PSC 2010**



Cable 20.4 mm

Primary Current	ACCURACY CLASS		
	1 VA	2.5VA	5VA
100	1	-	-
150	1	-	-
200	-	1	-
250	-	1	-
300	-	1	-
400	-	-	1
500	-	-	1

**PSC 2010**

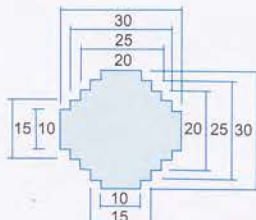
Overall DIM's same as PSC 2010



WOUND PRIMARY CT size 78 x 55 x 40

Primary Current	ACCURACY CLASS	
	2.5 VA	5VA
20	1	-
30	1	-
40	-	1
50	-	1
60	-	1
75	-	1

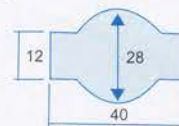
**PSC 3010**



BUS BAR 30 X 10 mm

Primary Current	ACCURACY CLASS		
	1VA	2.5VA	5VA
60	3	-	-
75	3	-	-
80	3	-	-
100	1	-	-
125	1	-	-
150	1	3	-
200	-	1	-
250	-	1	-
300	-	1	3
400	-	-	1
500	-	-	1
600	-	-	1

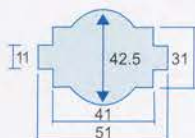
**PSC 4010**



BUS BAR 40 X 10 mm

Primary Current	ACCURACY CLASS		
	2.5VA	5VA	7.5VA
150	1	-	-
200	1	-	-
250	1	-	-
300	1	3	-
400	-	1	3
500	1	0.5	1
600	-	0.5	1
750	-	0.5	1
800	-	0.5	1

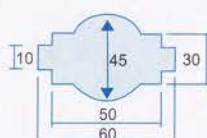
**PSC 5010**



BUS BAR 50 X 10 MM

Primary Current	ACCURACY CLASS		
	2.5 VA	5VA	10VA
300	1	-	-
400	1	-	-
500	1	-	-
600	-	1	-
750	-	1	-
800	-	1	-
1000	-	-	1
1200	-	-	1
1250	-	-	1

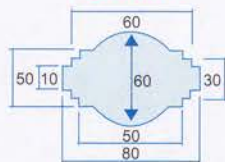
**PSC 6010**



BUS BAR 60 X 10 MM

Primary Current	ACCURACY CLASS	
	10 VA	15VA
400	1	-
500	1	-
600	0.5	1
750	0.5	1
800	0.5	1
1000	0.5	1
1200	-	1
1500	-	1
1600	-	1

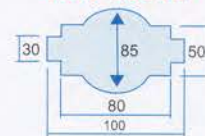
**PSC 8010**



BUS BAR 80 X 10 mm

Primary Current	ACCURACY CLASS			
	5VA	7.5VA	10VA	15VA
400	0.5	1	-	-
500	0.5	1	-	-
600	0.5	1	-	-
800	-	-	0.5	1
1000	-	-	0.5	1
1200	-	-	0.5	1
1500	-	-	0.5	1
1600	-	-	0.5	1
2000	-	-	0.5	1

**PSC 10010**



BUS BAR 100 X 10 mm

Primary Current	ACCURACY CLASS			
	5 VA	10VA	15VA	30VA
400	0.5	-	-	-
600	0.5	-	-	-
800	-	0.5	1	-
1000	-	-	0.5	-
1200	-	-	0.5	-
1500	-	-	0.5	-
1600	-	-	0.5	-
2000	-	-	0.5	1
2500	-	-	0.5	1
3000	-	-	-	0.5
4000	-	-	-	0.5



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## CURRENT TRANSFORMER

### Company Profile

**Perfect** was formed in the year 1990 as a L.T. C.T. manufacturers. Inspired by the overwhelming response, the manufacturing range was further upgraded upto 33 kV class backed by team of technocrats.

Today, **Perfect** are recognized as one of the reputed manufacturers of Instrument Transformers.

Our Instrument Transformers upto 33 kV class are fully type tested from CPRI and ERDA.

Our plant is well equipped with manufacturing and testing equipment.

We have the privilege of having a long list of clients both in private and public sectors including State Electricity Boards.

### Product Profile

#### CURRENT TRANSFORMER

A Current Transformer is the measuring device for metering and protection system. The primary current of the CT is transformed into the required secondary current of 5A or 1A.

Measuring CT's have different class of accuracy i.e. 0.1, 0.2S, 0.2, 0.5S, 0.5 & 1.0 and protection CT's have

**Perfect** Provides a comprehensive range of L.T. Current Transformers for measuring applications with secondary current of 5Amp. or 1Amp.

5P10, 5P20 and 10P10. In the case of special protection CT's (PS class), the Knee Point Voltage (Vk) of the CT is specified alongwith secondary resistance and magnetizing current.

The construction of the CT not only depends upon the ratio but also on the Short Time Current Rating, Burden and Class of Accuracy.

#### CONSTRUCTIONAL FEATURES

The core is made from non-ageing CRGO silicon steel laminations and Insulation is done with high grade paper insulation for proper distribution of electrical stresses and better voltage withstand capability.

### Testing

#### ROUTINE TEST

Each Instrument Transformer is subject to all routine test as per customer specification and relevant IS / IEC.

#### TYPE TEST

The Instrument Transformers are regularly tested for type test as per respective IS / IEC from the Govt. recognized test houses like CPRI & ERDA.

**WINDOW / WOUND TYPE CURRENT TRANSFORMER:**

- PSC 2010
- PSC 3010
- PSC 4010
- PSC 5010
- PSC 6010
- PSC 8010
- PSC10010

