

## INDOOR CURRENT TRANSFORMERS

- These Current Transformers are manufactured in Wound Primary type and Window type construction.
- It is manufactured using Automatic Pressure Gelation casting and Vacuum Casting Technique.
- It ranges from 3.3 kV to 33 kV



11 kV Indoor Resin Cast  
Wound Primary Type  
Current Transformer



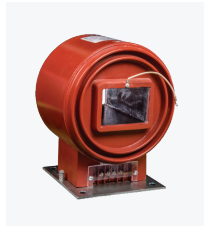
33 kV Indoor Resin Cast  
Wound Primary Type  
Current Transformer



33 kV Indoor Resin Cast  
Wound Primary Type  
Current Transformer



11 kV Indoor Resin  
Cast Window Type  
Current Transformer



11 kV Indoor Resin  
Cast Window Type  
Current Transformer



33 kV Indoor Resin  
Cast Window Type  
Current Transformer

### Technical Specifications and Parameter

Ref. Standard	IS/IEC/ANSI
Um	Up to 36 kV
Test Voltages	Up to 70/170 kVp
Rated Primary Current - I <sub>pn</sub>	Up to 5000A
Rated Secondary Current I <sub>sn</sub>	5A or 1A
Rated Short Time Current - I <sub>th</sub>	50kA
Rated Peak Current - I <sub>dyn</sub>	2.5 X I <sub>th</sub>
Core(s), Number of Cores	Must be determined on the basis of requirements accuracy class, over-current value, burden
Insulation Class	B or Higher
Frequency	50Hz / 60Hz

# INDOOR VOLTAGE TRANSFORMERS

- Indoor Voltage Transformers are manufactured in Single Pole and Double Pole construction.
- Three Phase VTs are manufactured up to 11 kV.



11 kV Indoor Resin Cast  
Voltage Transformer  
With Fuse



11 kV Indoor Resin Cast Double Pole  
(Unearthed) Voltage Transformer  
With Fuse



11 kV Indoor Resin Cast Voltage  
Transformer  
Gun Type



22 kV Indoor Resin Cast Voltage  
Transformer



33 kV Indoor Resin Cast Voltage  
Transformer



33 kV Indoor Resin Cast Voltage  
Transformer  
Gun Type

## Technical Specifications and Parameter

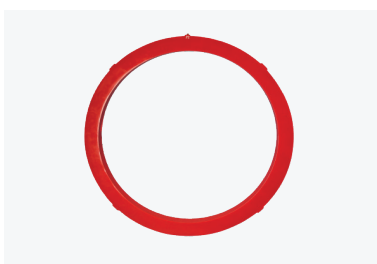
Ref. Standard	IS/IEC/ANSI
Um	Up to 36 kV
Test Voltages	Up to 70/170 kVp
Rated Primary Voltage	Up to 33000/V3
Rated Secondary Voltage	110/V3 or 100/V3
Rated Secondary Voltage For Open Delta Winding	110/3 or 100/3
Burden	Up to 500VA
Metering Accuracy Class	0.2/0.5/1.0/3.0
Protection Accuracy Class	3P/6P
Voltage Factor	1.2 Cont. & 1.9 For 8 Hrs.
Insulation Class	B or Higher
Frequency	50Hz / 60Hz

# SPECIAL PURPOSE TRANSFORMERS

- Special Purpose transformers includes Precision Grade Current Transformer & Voltage Transformer, High Current Ring Type CTs (Bus Duct CTs), Neutral Grounding Transformer, Residual Voltage Transformer.



33 kV Indoor Resin Cast Pedestal Type Busduct Current Transformer



33 kV Indoor Resin Cast Ring Type Busduct Current Transformer



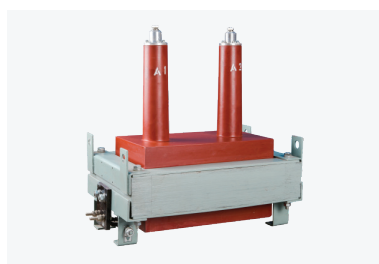
11 kV Indoor Resin Cast Residual Voltage Transformer



11 kV Indoor Resin Cast Neutral Grounding Transformer



22 kV Indoor Resin Cast Neutral Grounding Transformer



11 kV Indoor Resin Cast Control Transformer

## Technical Specifications and Parameter

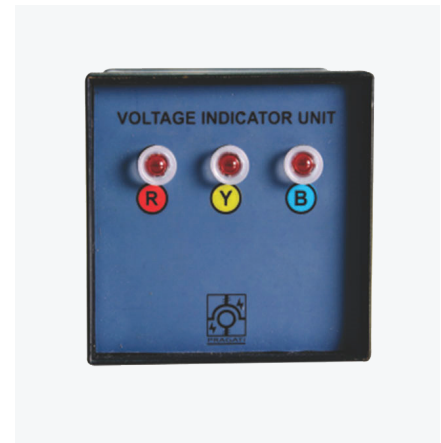
Precision Grade Current Transformer & Voltage Transformer	Accuracy Class 0.1 or 0.05
High Current Busduct Application Resin Cast Current Transformer	Up to 30000A & System Voltage 33 kV
Neutral Grounding Transformer	Up to 150 kVA & System Voltage 22 kV
Residual Voltage Transformer	Up to 11 kV
Insulation Class	B or Higher
Frequency	50Hz / 60Hz

# VOLTAGE DETECTING SYSTEM (VDS)

- Voltage detecting systems (VDS) devices are used to detect presence or absence of operating voltage & consists of voltage Detecting Insulator, (VDI) with built in Capacitive Voltage Divider (CVD) and Voltage Indicator Unit (VIU).

## Technical Specifications and Parameter

Ref. Standard	IS/IEC
Um	415 kV
Test Voltages	3kV
Model No.	As Per Catalog



## Voltage Indicator Unit (VIU)

## Technical Specifications and Parameter

Ref. Standard	IS/IEC
Um	Up to 36 kV
Test Voltages	Up to 70/170 kVp
Coupling Capacitor	50pf to 600 pf



## Voltage Detecting Insulators (VDI)