



*narayan powertech pvt. ltd.*



ISO 9001  
ISO 14001  
OHSAS 18001



**Instrument Transformers**

**Cast resin components**

**Fault Passage Indicators**

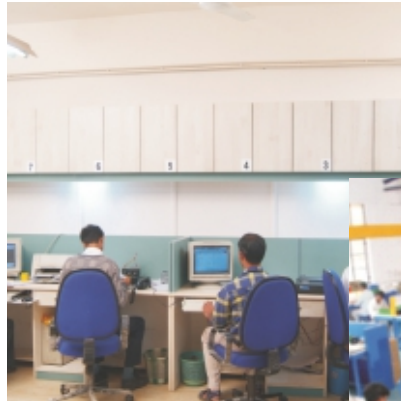
**Sensors/Rogowski/Coils**

**Reactors-Air and Iron core**

**Metering Cubicle**

*Engineering excellence through expertise*

# Organisation



## Vision

**Creating wealth in form of cutting edge technology, patron customers, sustainable profit, passionate team and healthy environment**



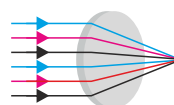
## Mission

**To create a world class organization, valued by customers**



## Goal

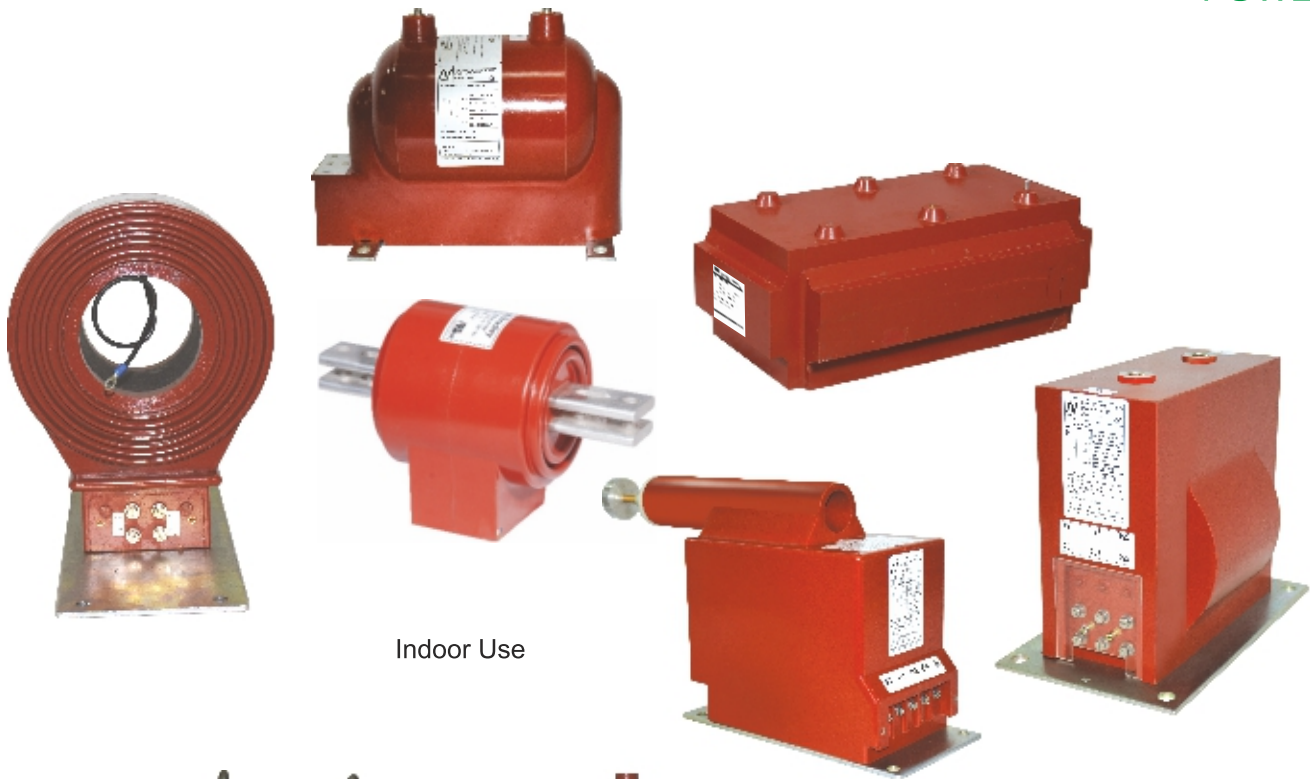
**Be industry leader in customer value**



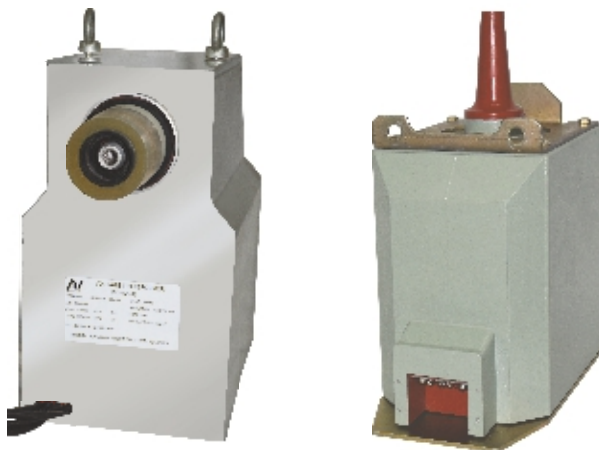
## Values

**Honesty  
Respect  
Transparency  
Creativity**

# MV CTs and VTs



Indoor Use



36kV Metal Clad

- 300 models
- Custom Design

- Complying and type tested to latest international standards IEC, ANSI, AS, DIN, GOST, JIS
- Metering, relaying, Special protection class
- 3.3 kV 3.6/10/20kVp up to 33 kV  
36/70/170-200 kVp
- Traceable routine test results on web
- Consistent performance; proven with utility, Industry and Power projects



Outdoor Use



# Bushing CTs



Resin casted



Taped



Resin Encapsulated



Cased

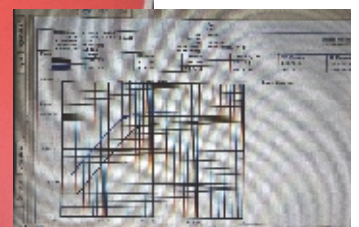


Resin casted - Special shape



SS Casted - Outdoor use

- Customized Encapsulation and size
- up to 1500 mm outer diameter
- Complying and type tested to latest international standards IEC, ANSI, AS, DIN, GOST, JIS
- EHV equipment application on bushing or in turret



# LV Range



Engineering plastic cased



Tape wound



**Resin casted Split core CT**

- Custom designed, various constructions
- Complying and type tested to latest international standards IEC, ANSI, AS, DIN, GOST, JIS
- Metering, protection and special protection application
- Traceable routine test results on web

# Rogowski Coils and Integrators



## **Coils**

Fixed or Flexible construction  
Current range : up to 100kA  
Frequency : 50/60 Hz or Customized  
Accuracy : up to 0.5%

## **Integrators**

Standard sensitivity range for  
Flexible coil  
100A... upto 100kA  
Fixed Coil  
10A... upto 100kA

# Cast resin components



- Insulators
- Connection terminals
- Shrouds
- Bus bar supports
- Capacitive VDI
- Hollow bushings
- Spouts
- RMU bushing

Up to 36kV; BIL 170 kVp  
Indoor and Outdoor application  
Tested for HV, PD, Impulse, Helium leak, X Ray  
VDI available with Phase comparator or  
auxiliary contacts

# Fault Passage indicators



Potential free connection to short circuit and earth fault sensors

Short-circuit: Six trip current settings from 200 A to 1200 A

Earth-Fault: Six trip current settings from 10 A to 80 A  
Four response delays between 40 ms and 300 ms.

## **LED indication**

Indication of permanent phase -fault by blinking LED

Indication of permanent earth-faults by blinking LED

Button to test the function of the display unit

## **Reset function:**

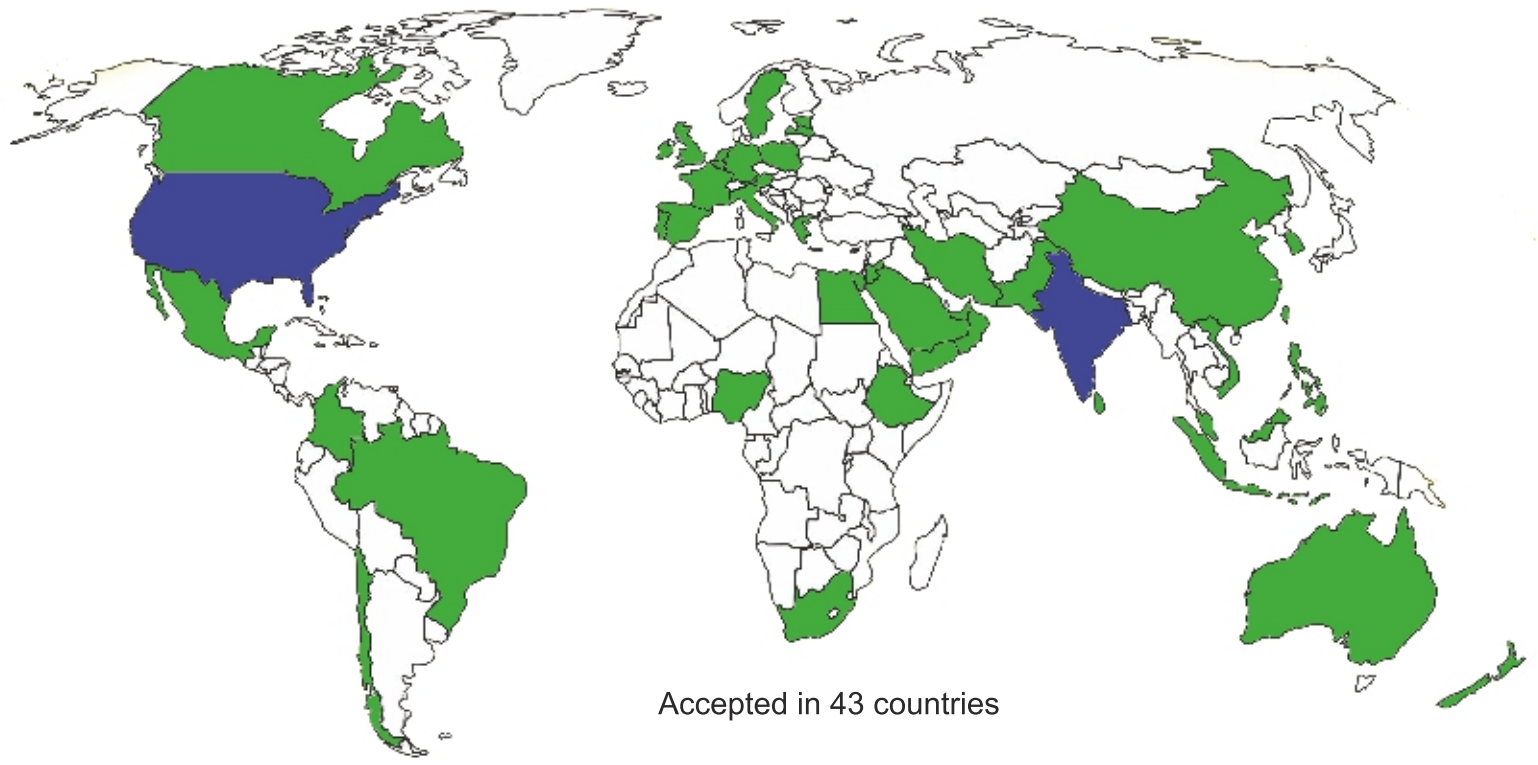
Manual by push-button

Time: Four values between 1 h and 12 h

Remote reset contacts

# Voltage Divider & Indicator





Accepted in 43 countries

