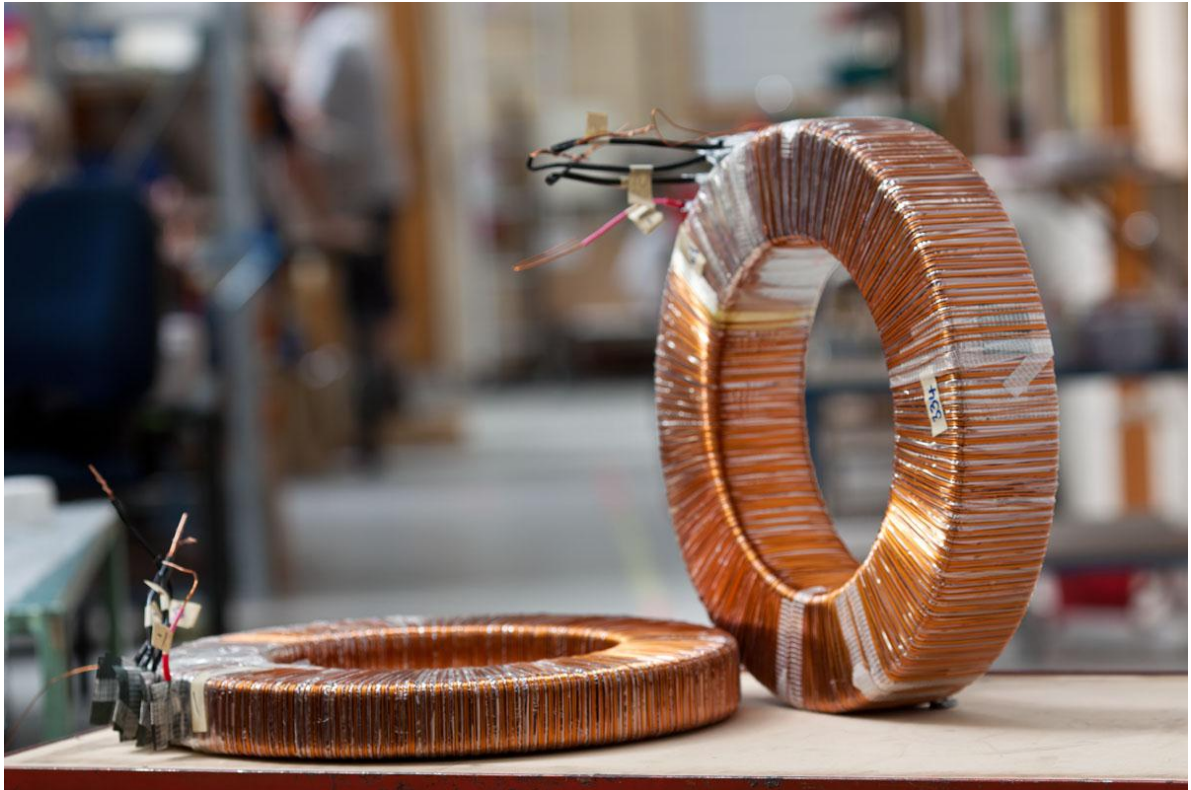


## TWS ENERGY CONTROLS Range

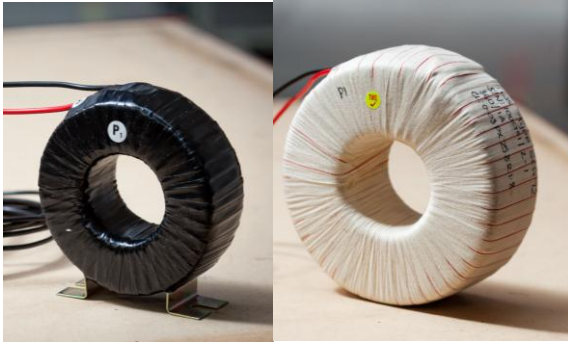


Current Transformer – Tape Wound	E1
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## Current Transformer – Tape Wound



Tape wound current transformers are used for:

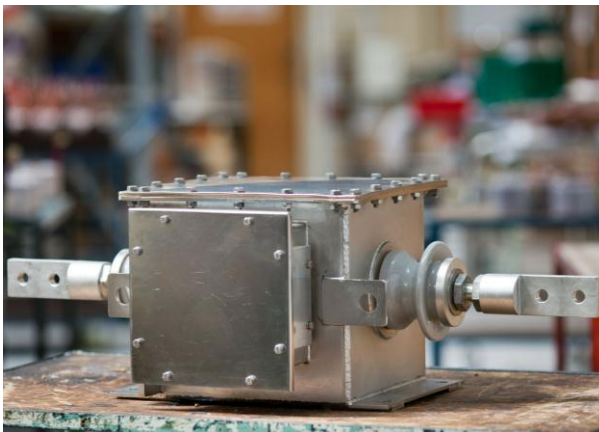
- Switchgear over bushings or fully insulated busbar; and
- Power transformers (either mounted integrally or on the bushing turrets).

A complete custom design service is available to provide you with the exact tape wound current transformer to your specific requirements.

Outer finishes include:

- Cotton taped and varnished;
- Melinex taped; or Plastic taped.

## Neutral Current Transformer



The outdoor units are available in two types of design:

- Cycloaliphatic - utilising cycloaliphatic resin (UV resistant); and
- Metal Tank with porcelain bushings or cable through type.

Tanks can be:

- Supplied in a 316 grade stainless steel, hermetically sealed filled with either compound or oil;
- Painted;
- Multi-ratio and multi-CT versions; and
- With earth screens.

All secondary boxes are IP65 weatherproof. A complete custom design service is available to provide you with the exact outdoor neutral current transformer to your specific requirements.

### Voltage Transformer – Resin Cast



Manufactured to IEC or AS Standards. All transformers are tested in a high voltage test laboratory and supplied with test certificates.

We can supply single or three phase units, with single or dual secondary windings that can be dual class, i.e. 0.5/3P.

Ratios: 3.3kV, 6.6kV, 12kV, 24kV and 36kV.

### Voltage Transformer – Oil Filled Tank (Outdoor)



Manufactured to IEC or AS Standards. All transformers are tested in a high voltage test laboratory and supplied with test certificates.

High voltage oil filled tanks are available in the following finishes:

- Hot dipped Galvanised;
- Painted (to your colour);
- Powder coated mild steel; and
- Stainless steel.

Ratios: 3.3kV, 6.6kV, 12kV, 24kV and 36kV.

Connections: Normally YNyn0 with optional delta secondary.

Terminations: Primary – Tin plated palm terminals on porcelain bushings; Secondary – Klippon SAK 6N terminals or fuses.

### Metering Units – Oil Insulated

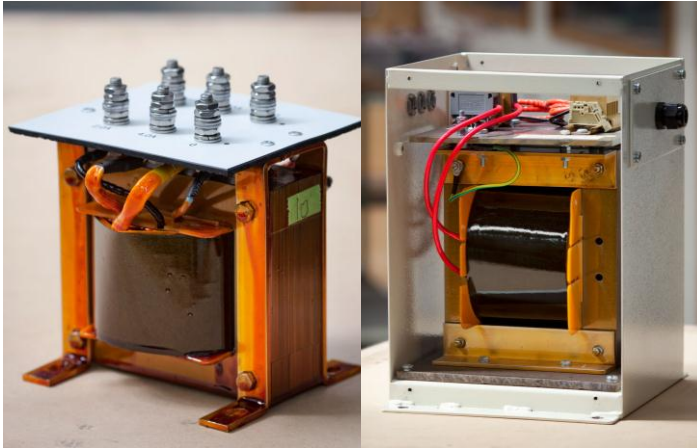


We can supply oil-insulated metering units containing both CTs and VTs in single or three phase combinations up to 36kV; pole or pad mount type.

The units are designed as a cost effective means of installing metering cass CT and VT into a power supply network. Metering units can be supplied for 3.6kV, 7.2kV, 12kV, 24kV and 36kV; other configurations can be supplied on request.

In addition, dual protection and metering functions can be accommodated within the same unit. All enclosures are self –draining and are available in the following finishes: 316 grade stainless steel and industrial paint finish; and hot dipped galvanised mild steel.

## Power Transformer – Single and Three Phase

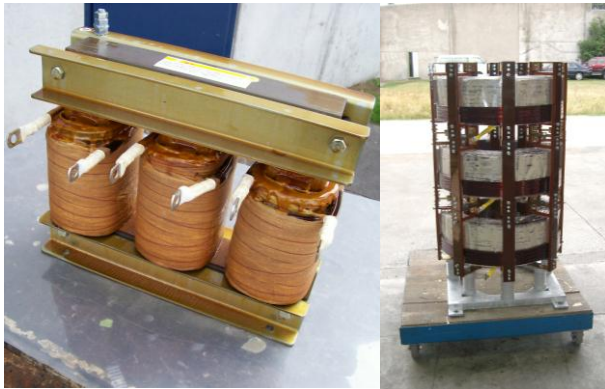


We can design and manufacture a range of single phase and three phase power transformers to suit your individual requirements and to the desired voltage ratio.

Features: plugs and sockets – terminals, flying leads and steel IP rated enclosures can be provided.

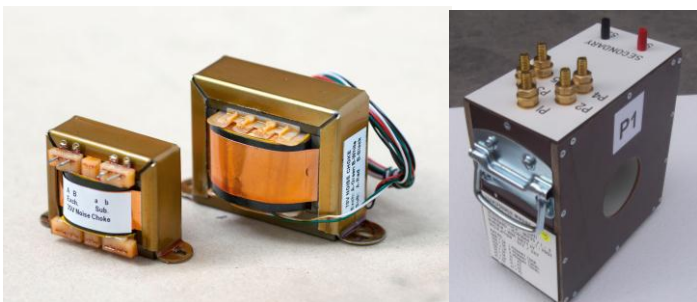
E and I cores are finished with varnish or epoxy resin. Toroidal cores are finished with PVC or Mylar tape. Mounting is via angle feet or brackets.

## Chokes – Power Factor Correction and Line Filter



We specialise in the design and manufacture of heavy duty industrial chokes for power factor correction and for line filter applications.

## Other - Audio Output Transformers and Specials



We have many years of experience in designing and manufacturing special items not contained within our catalogue.