

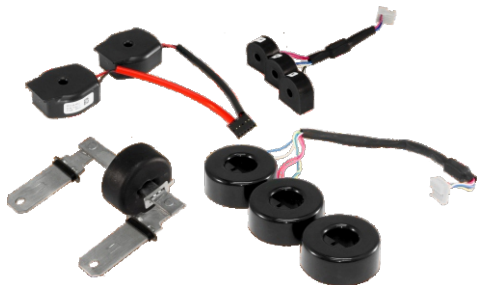
CT's For Watt-Hour Meters



Falco specializes in developing current transformers for electricity meters according to specific needs in terms of accuracy, mechanical constraints. They are designed and tested to meet the ANSI and IEC requirements including all the accuracy tests and effects of external influences. We have a big variety of sizes and shapes including: potted and un-potted versions, using pin or lead wire termination, or mounted on a primary wire. We can also add a magnetic shield to prevent the core from saturation due to the influence of external magnets that are used for tampering purposes. We have high precision for electricity meters that allow us to do all the linearity tests at different power factors, at different temperatures (from -40°C to $+85^{\circ}\text{C}$), and the DC tolerance test. That allows us to optimize our current transformers in size, cost and performance to offer you a component that will meet your expectations and the lowest possible cost.

APPLICATION

Our current transformers are used in a variety of single and poly-phase electricity meters for billing electricity, where high accuracy is needed. They can be used in residential, industrial or even in Power Quality Meters. The applications include direct connected meters and transformer operated meters.



Features

Current Transformers for AC only

- Current Range from 5 to 640 Amp
- Accuracy Class 0.2 and 0.5 as per ANSI C12.20
- Accuracy Class 0.2 and 0.5 as per IEC 62053-22

DC Tolerant Current Transformers

- Current range from 20 to 120 Amp
- Full and partial DC tolerance
- Accuracy Class 1.0 as per IEC 62053-21

UL approved

Shielded against external magnetic fields

High precision testing for design validation

