



## AC Current Transformers for Electronic Watt-Hour Meters

Falco is a major manufacturer of toroidal AC current transformers for application in Electronic Watt-Hours meters in single and poly-phase systems.

These transformers comply with amperage rating class 20/200 and 320 or ANSI 0.2%, 0.5% accuracy requirements.

The use of high performance amorphous /nickel core material allows them to exhibit good linearity in amplitude and low phase angle error with proper burden resistors.

The transformers can be inserted into a plastic housing and potted with epoxy, or can be wrapped with recognized tape to provide isolation.

### FEATURES AND BENEFITS:

- Current range from 20 to 640 Amperes
- Voltage 120/220Vac and 50/60 Hz
- Accuracy transformer class 0.2, 0.5 as per ANSI
- Turns ratio with 0.1% tolerance
- Amplitude error less than 0.5 %
- Phase angle error less than 3.0%
- Coil epoxy encapsulated or tape wrapped

### APPLICATIONS

As technology has advanced and costs have declined, the popularity of the electronic watt-hour meter has increased. As a consequence, the traditional electro-mechanical "disc" meter is being replaced by the electronic meter in residential applications. Some of the most obvious advantages of the electronic meter are power consumption accuracy, quick data collection, pre-paid control and remote programming.

*Falco Electronics is a worldwide leader in the design, manufacturing and distribution of current transformers for the electronic metering industry. Falco has been serving the major OEM's and subcontractors in USA, Europe and Asia for several years. Falco has been working closely with the leading R&D teams to meet the demands of emerging technologies.*