



*Instrument Transformers*

## **Voltage Transformer Thermal Burden Rating**

### **Technical Bulletin # 102**

The thermal burden rating of a voltage transformer is the amount of power that can be delivered without exceeding the temperature rise set-forth in the applicable standard.

The maximum burden that the transformer can supply while maintaining the accuracy class is listed in the accuracy rating. For example, a unit rated 0.3WXYZ will maintain an accuracy of 0.3% up to a Z burden (200 VA). When this transformer is loaded with a higher burden than 200 VA, the accuracy will not be maintained.

For most applications, the thermal burden rating of a voltage transformer is not important. Only in special applications, such as power charging circuits, should the thermal burden be an important parameter.

Please consult the factory for more information on this topic.