

TELEDYNE HASTINGS INSTRUMENTS

APPLICATION NOTES

Goal: Monitor Vacuum Pressure for Transformer Oil Purification

Solution: Hastings CVT-14 Vacuum Gauge Controller



Typical applications for transformer oil purification require the ability to monitor the wide range of vacuum pressures that can occur during the process. Hastings CVT-14 vacuum gauges are designed specifically to accommodate this requirement. The gauge, with a single set point relay, easily installs on transformer oil purification systems, and monitors vacuum pressures from 0.5 Torr to 5 Torr. If the vacuum remains below the set point, the

oil purification process is successfully completed on the transformer.

The Hastings Instruments CVT-14 also provides several safety features. An alarm relay is set between 3 – 5 Torr so that if a loss of vacuum occurs, the line to the transformer can be disconnected before dangerous oil back-streaming occurs. In addition, the gauge is fail safe, where a loss of power equals loss of vacuum.

CVT-14 Vacuum Gauge Controller features:

- . Range: 0 – 20 Torr
- . Single Alarm Control Set Point
- . Fail Safe: Loss of Power = Loss of Vacuum