



Dewpoint Measurement Application #12

GCTU Circuit Breaker Gas Test and Collection System

Application

Remove SF6 gas sample from circuit breaker to measure moisture in SF6 gas, SF6 purity and SO2 levels while storing gas test sample within unit's storage bag.

Problem

Circuit breakers (CB) charged with Sulphur hexafluoride gas (SF6) need to be periodically checked for moisture content, SF6 purity and SO2 levels that may exist as SF6 gas breakdown component and is detrimental to the CB normal operation. SF6 gas is considered a greenhouse gas (GHG) that is EPA regulated. As a result it can no longer be discharged into the atmosphere.

Solution

The GCTU unit will capture the gas used during its testing for later safe discharge either returned to the breaker, gas storage cylinder or discharged into a SF6 recycling cart.

Equipment

Model GCTU-CMH-PTY-SO2

Advantages

Model GCTU-CMH-PTY-SO2 unit will quickly measure H2O, SF6 and SO2 components and allow for test gas storage into a self-contained storage bag preventing any discharge to atmosphere.