

Substation Advisor® System

Top Oil Temperature Probe



The Model TSP temperature probe replaces a transformer's existing top oil temperature indicator and provides a means to measure the oil temperature via SCADA.

Overview

The Model TSP probe provides an RTU compatible analog input that is proportional to the transformer's top oil temperature. The probe can be used with an existing RTU, or as part of an Substation Advisor® System. For transformers with existing top oil indicators that cannot be removed because of cooling control, the Model TSS surface mount temperature sensor is available.

Features

Self powered by the I/O analog input current loop supply. No external power connection required.

Functional

- Analog output for the monitored point will vary from 4 to 20 mA for a sensor temperature of -58°F to 302°F (-50°C to 150°C).
- Output is diode protected for reverse connections.
- Equipped with surge suppression circuitry.
- Fits standard transformer top oil wells.

Specifications

- Operating temperature range of -58°F to 302°F (-50°C to 150°C).
- Three pole compression terminal block, 14 to 26 AWG.
- Conformal coated sensor circuit.
- Stainless steel and aluminum construction.



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