



Part No. PSST60072TH2M-A

TH₂M™

PSSTech's Transformer Health Monitor with Analog Outputs

The PSSTech Transformer Health Monitor (TH2M) allows utilities to monitor the health of power transformers including smaller distribution transformers due to the ease of installation and low cost. Many systems on the market today cost 3 to 4 times that of the PSSTech TH2M. Our system alerts personnel to incipient fault conditions and insulation degradation in the transformer by continuously monitoring the hydrogen gas and moisture in the oil. Cost-effective health monitoring of power transformers allows utilities to monitor the hydrogen and moisture in the transformer online, thereby reducing the need to send crews to take oil samples.

Key Features

- IP68 rated, allowing it to be installed in underground network vaults
- Brushless DC pump circulates oil ensuring a “fresh” sample is measured by the sensor
- Incorporates a hydrogen sensor that self-calibrates in the field, thereby eliminating the need for removal and lab calibration
- Utilizes a manifold with 1” NPT fitting that installs easily on the transformer drain valve with minimum 3” ground clearance from the center line of the valve
- Bleeder/Purge valve for oil samples
- Controller is independent of the sensors, allowing it to be installed remotely from the sensor manifold
- Modular design allowing for simple replacement of individual components
- Compatible with mineral oil and natural/synthetic ester oils

Standard Analog Configuration

- Hydrogen Monitoring (PPM)
- Moisture Monitoring (PPM or % RS)
- Brushless DC Circulating Pump
- Power Supply Options
 - AC Input: 90-277 VAC, 50/60 Hz
 - DC Input: 12/24 VDC
- Analog Outputs
 - Two outputs @ 0 to 5 Vdc
- C-Form Alarm Relay Output
 - Contact ratings for resistive load:
 - 10A @ 250Vac or 30Vdc
 - 300mA @ 250 Vdc

