



SF6 Monitoring and Trending – The Accurate Approach

The Experts: Trafag Sensors and Controls / Granzow USA

HV GIS/GIB

Problem:
How to precisely measure and control SF6 density levels in switchgear and breakers?

Solution:
Install true SF6 density monitors and electronic output sensors

Trafag Technology?

Unlike the old school practice of using inaccurate temperature compensated pressure switches, Trafag instruments measure true SF6 density. These instruments are precise and require no calibration or temperature compensation.

Why Trafag?

60+ years industry experience

Calibration never required

No temperature compensation

Capable to measure at -50 °C

Produced with any gas required

Calibrated for any pressure / density

Immediate technical assistance

Goal#1 : Reduce operation and maintenance costs of gas insulated HV gear

Goal#2 : Avoid federal fines to be imposed on GHS leakers

Soon federal regulations implemented will result in heavy fines imposed on green house gas leakers. The North American HV infrastructure is a key target due to aging SF6 GIB and GIS systems. These circumstances have created a need to accurately trend and control SF6 levels contained in all gear.

Trafag mechanical SF6 gas density monitors and electronic SF6 gas density sensors can help avoid these fines and help lower operational costs. These instruments are completely accurate as they measure true density opposed to outdated technology that measures the unstable variable of pressure.

The monitors (switches) are used to sound alarms and/or

shut down relevant systems if the SF6 density level drops to a dangerous point.

The sensors produce a continuous analog output that is correlated to nominal density desired. These can be used for real time SF6 density monitoring, data logging and trending. These precise instruments help determine exactly when and how much gas is being leaked or vented and when re-filling should be scheduled.

The North American HV infrastructure contains gear from different decades and manufacturers. To assist in coupling the correct SF6 instrument, Trafag offers a range of process connections from flange to threaded mount. Additional adaptors are also available for custom applications.



4 Stage SF6 Monitor

SF6 Electronic Sensor



North American Partnership

Granzow Inc. is the North American representative for Trafag. Granzow is responsible for all North American technical support, sales, stocking and delivery of Trafag products.

Contact Granzow to speak with your Trafag Representative.

- SF6 Density Monitors
- SF6 Density Sensors
- Pressure Switches
- Pressure Transmitters
- Temperature Switches
- 1000+ units in stock

For assistance concerning Trafag products...

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