

Gas Density Monitors

For both indoor and outdoor installation
Local indicator with alarm contact

This gas density monitor is an instrument for universal use in any SF₆ gas application. Suitable for use in high-voltage switches, gas-insulated switching units and transformers, especially for use in medium-voltage switchgear, which work under adverse climatic conditions.

Case

Fully welded stainless steel, leakage rate 1x10⁻⁵ mbarl/s (Helium leak test)
Hermetically sealed design

Measuring Element

Welded stainless steel, leakage rate 1x10⁻⁸ mbarl/s (Helium leak test)

Long-term stability ensuring little need for re-calibration



SPG-100



Alarm Contacts

Threshold values are usually controlled with magnetic snapaction contacts or microswitches. Density monitors with supplementary electrical equipment are subject to individual testing.



Material

Used are high quality stainless steel AISI 316 measuring systems by which means we can achieve a measuring system seal from 1 x 10⁻⁸ [mbar l/s] in the long term.

Hermetically Sealed Cases

By using stainless steel AISI 304 cases, which are welded to the measuring element, we can offer completely encapsulated systems. The gas density of 1 x 10⁻⁵ [mbar l/s] is determined by ENERGIE in individual tests with the helium testing systems, thus ensuring:

- No influence through fluctuations in daily ambient air pressure
- No influence through installation altitude
- Alarm contacts and measuring mechanism protection against moisture, H₂S etc.

