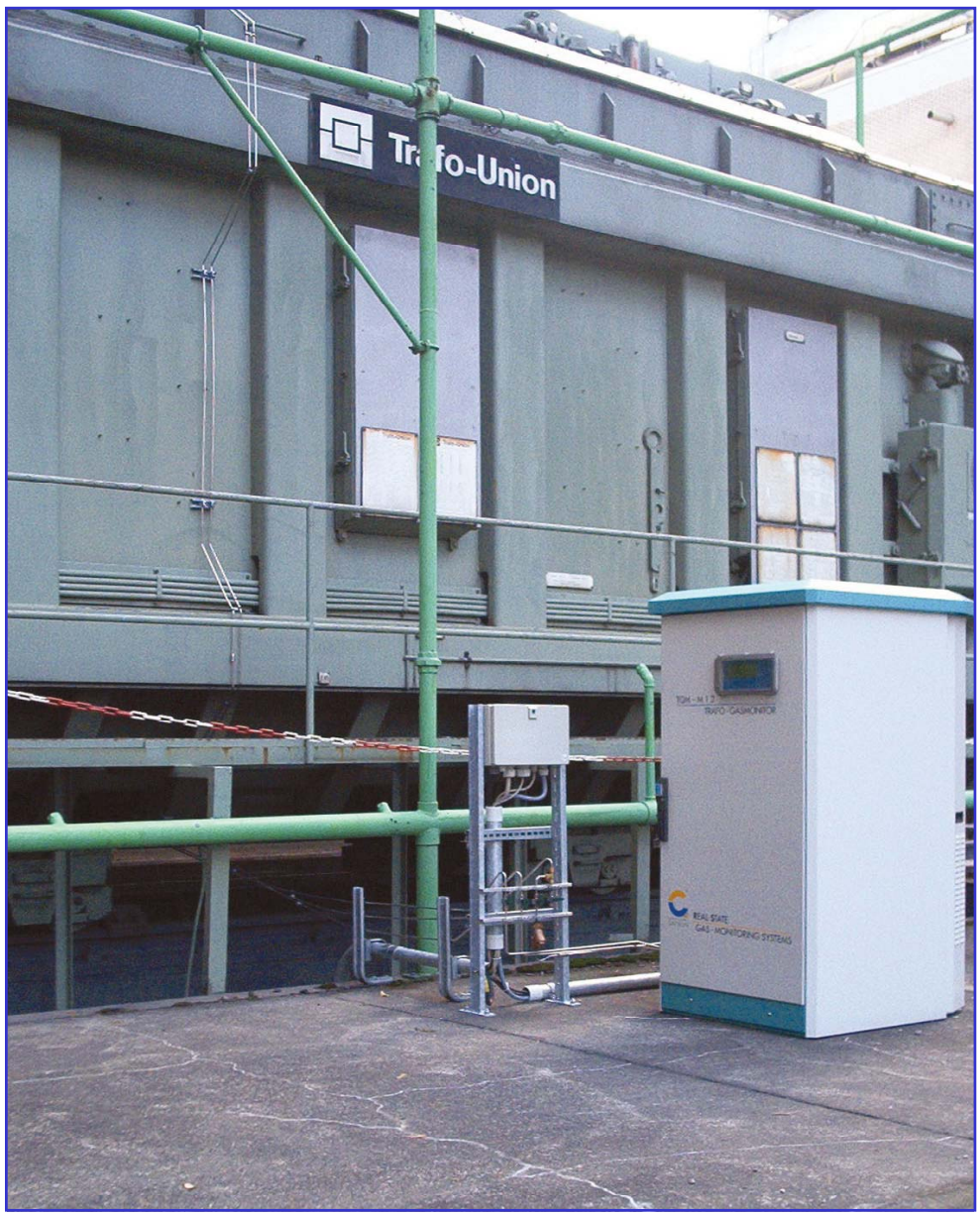
Transformer Gas Monitor TGM

GATRON

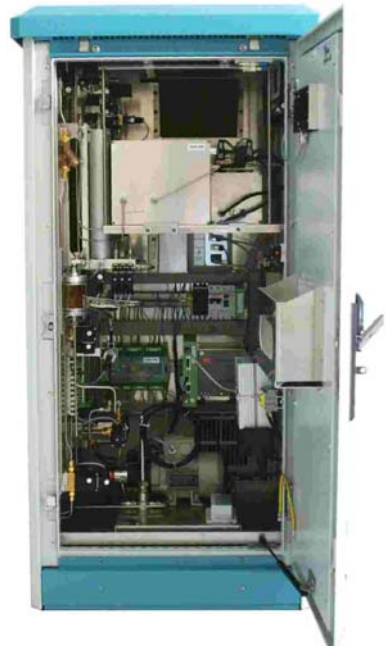


Online Equilibrium Gas Monitoring

for Efficient Diagnostics

N_2IS based ! ®

Features:



Inner View of TGM

1. Sampling pipes to the vessel oil and Buchholz relay, optional 2 points additionally, channel for analog inputs, e.g. vessel oil temperature, load current
2. Direct measurement of the degree of gas saturation 5-120% for gas alarm prognosis of free-breathing or leakage monitoring of hermetically-sealed tranformers respectively
3. Resaturation measurement of nitrogen after degassing for the determination of the rate of convection/breathing (influence of the open design)
4. Analytics of the gases H_2, CO,CO_2, O_2, N_2 as well as the monitoring sum of hydrocarbons (CH_4+) and acetylene. Only in CH_4+ increased situations, additional external hydrocarbon analysis of a gas sample
5. Quality control with natural internal standard (NIS)
6. Correction method for dissolved gases (original fault gas, condition diagnostics 1)
7. Determination of the gas rate and quick analysis at > 10 cm^3/day on free breathing transformers
8. Quick analysis in gas alarm situation
9. Separation of a sample for an external analysis in the fall of fault gas
10. Correction method for undissolved gases (original fault gas, condition diagnostics 2)
11. Automatically deaerating after gas alarm to continue monitoring
12. Determination of the consumption of oxygen to complete ageing diagnostics
13. Monitoring of online degassing on free breathing transformers
14. Mobile variant of the TGM
15. Multiple installation till to 3
16. Automatically calibratable
17. Check of the reliability per modem
18. Sampling point also for oil

GATRON

GATRON GmbH | Brandteichstrasse 20 | D – 17489 Greifswald
Phone: ++49(0)3834-51 49 30 | Telefax: ++49(0)3834-51 49 320
E-mail: mail@gatron.de | Web: www.gatron.de