

Gas Quality Indicator for FLOWSIC

Efficient monitoring of the hydrogen blend in natural gas

Plug-in for gas flow meters

- Real time monitoring of the H₂ content
- Backup for gas chromatograph
- Detection of short-term fluctuations of the H₂ content
- Efficient monitoring of the gas quality



Gas Quality Indicator (GQI)

The modern gas market is characterized by the presence of a large number of different gas suppliers. The FLOWSIC ultrasonic gas flow meter equips plant and network operators to handle these challenges because the Gas Quality Indicator makes it possible to monitor the hydrogen content in natural gas. When the set limit values are exceeded due to fluctuations in the gas qualities, the FLOWSIC gas flow meter reports this automatically to the control center. This enables changes in the hydrogen content and therefore the

heating value to be detected in real time and substantial savings in time and costs to be achieved. The Gas Quality Indicator, which is based on the i-diagnostics™ technology, assists the user with optimizing the network balance. It thus makes a significant contribution to ensuring the contractually agreed gas qualities in applications where it is not possible to use a gas chromatograph or to measure the hydrogen content.

Your benefits

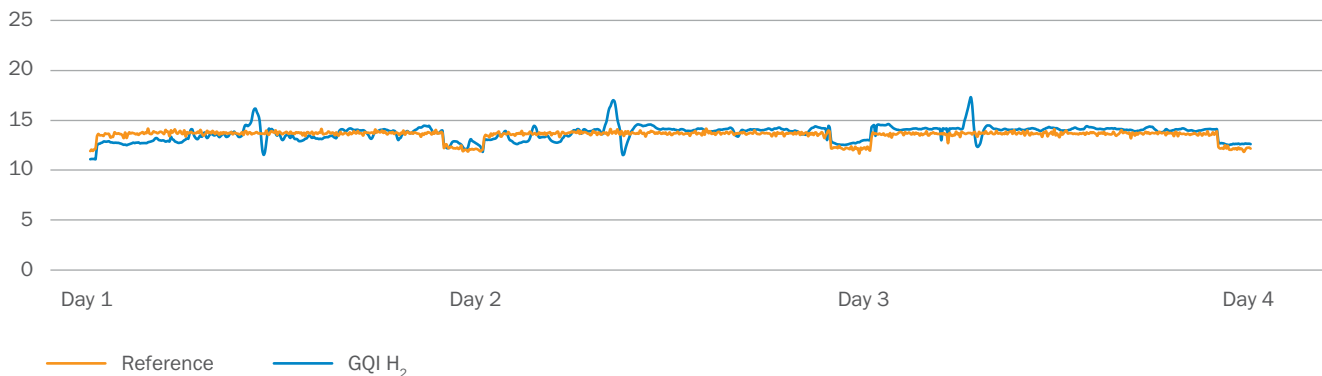
- Real time monitoring of the H₂ content in natural gas
- Warning when a defined H₂ content is exceeded
- Backup and validation of the gas chromatograph
- Upgradeable on-site via firmware update
- Maintenance and operating costs free
- No additional installation costs for hardware

Fields of application

- Gas volume measurement using FLOWSIC600-XT in natural gas transport and storage
- Gas volume measurement using FLOWSIC500 in natural gas distribution



Hydrogen content (in vol. %)



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