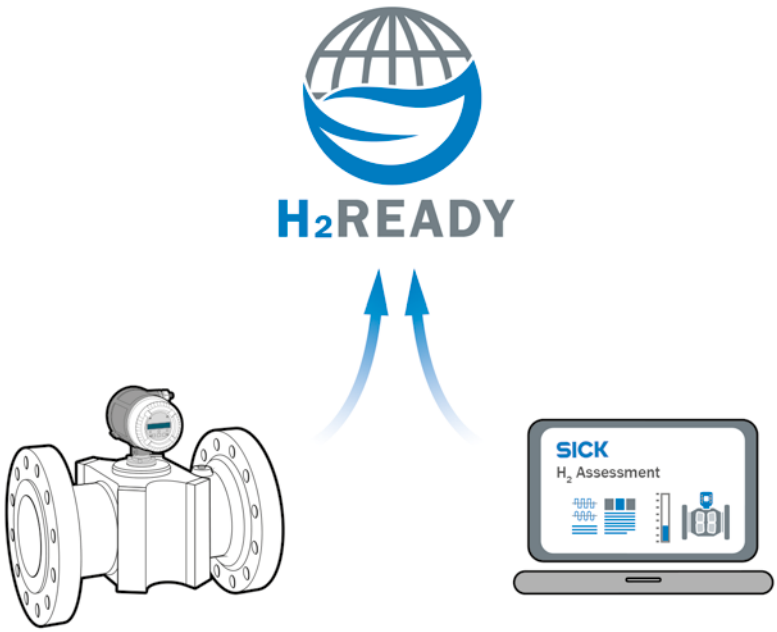
FLOWSIC600 future proofing for H_2 injection

GET YOUR INSTALLED GAS FLOW METER READY FOR THE ENERGY TRANSITION

Suitability test for FLOWSIC600 and FLOWSIC600-XT in applications with increasing H_2 contents

SICK
Sensor Intelligence.



Planning security –
Saves time and money

Availability –
Maximum measurement capability

Certainty –
Scheduled service actions

Future-proof –
Supports the energy transition

With the H_2 suitability test, you can use the hydrogen expertise of SICK flexibly and directly for your application. Based on current device diagnostic data, we create a comprehensive analysis report and evaluate the measurement capability of your device.

www.sick.com/FLOWSIC600-XT

Ready for the energy transition?

There is a great deal of interest worldwide in clean hydrogen, produced for example using electrolysis based on renewable energy sources. Feeding hydrogen into the existing natural gas grid is a fast and efficient way to transport and store the produced gas. Owners of large gas metering and processing facilities face the challenge of getting their measurement and control technology ready for the power-to-gas era. SICK can help you do this!

Using current device information and measurement data, we evaluate the suitability of your ultrasonic gas flow meter for gas mixtures with different H_2 concentrations. The device-specific analysis takes into account device condition and plant characteristics and enables precise statements to be made about measurement capability, explosion protection and mechanical safety. This provides planning security and plant availability even in times of change.

Your benefits

- Planning security for the use of ultrasonic gas flow meters in gas mixtures containing hydrogen
- Statements about the suitability of the device at different H_2 concentrations
- Scheduling of device upgrades, e.g. during recalibration
- Individual analysis for each device taking into account the application specifications

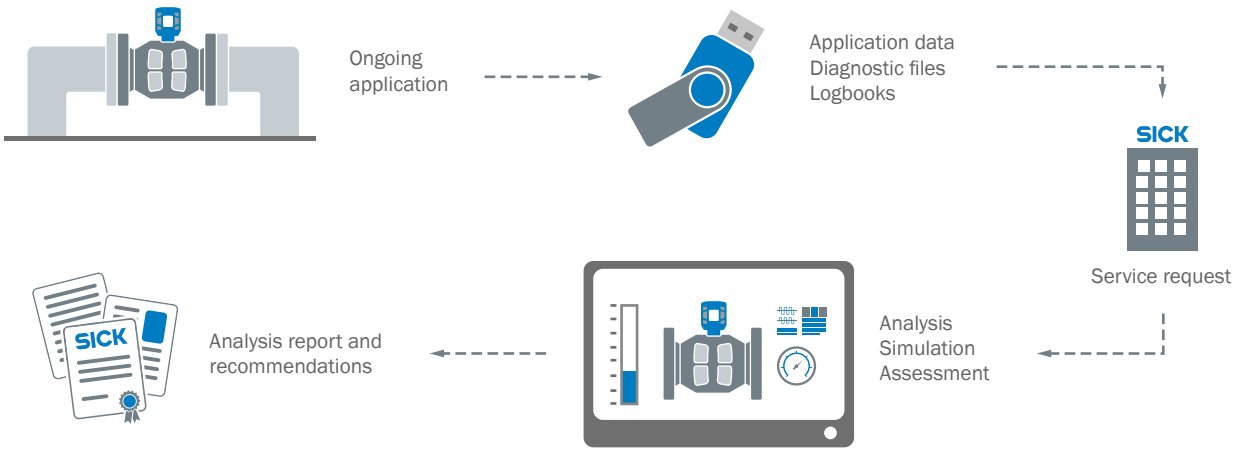
Fields of application

- Custody transfer measurement of natural gas with increasing H_2 concentrations
- Power-to-gas coupling points in the gas grid
- Injections of hydrogen into the gas grid
- Large gas measuring stations

What does the test report contain?

- Analysis of the current device performance
- Simulation of the device performance (SNR; AGC) for a gas mixture with H_2 contents of e.g. 10, 15 or 20%
- Recommendations for ensuring explosion protection
- Recommendations for action for the different scenarios of H_2 concentration

Part number	Designation
1615349	H_2 device evaluation for FLOWSIC600 and FLOWSIC600-XT • Evaluation per device based on current diagnostic data • Assessment for one gas composition and up to three different H_2 concentrations • Statements on measurement capability and recommended device modifications



More information about our product portfolio is available at: www.sick.com

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