

# Mobile Gas Quality Measurement with a Gas Sample Collector (GasPro)



GasPro 

SmartSim 

# Mobile gas quality measurement with GasPro

## Description

- Allows precise determination of the average gas quality by cyclic sampling and subsequent gas chromatographic analysis
- easy to operate
- can be installed outdoors, so that sampling can take place practically at any point in the gas grid

## Typical applications

- Validation of systems for Gas Quality Tracking (SmartSim)
- determination of the quality of natural gas, biogas or hydrogen from PtG plants to check their compliance with technical standards at representative points in the gas grid



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We offer gas sampling as a service. The GasPro sample collector, which we use for this purpose, has been newly developed in cooperation with Ehrler Prüftechnik. In early 2019 it was certified by the German National Metrology Institute (PTB) as being suitable for the validation of systems for gas quality tracking.

## Our service

- Coordination with the verification authorities
- preparation of the sample cylinder
- transportation to and installation of the sampler at the site
- sampling and analysis of the gas composition in the state-approved test facility GH80 of Open Grid Europe
- preparation of a report including an analysis certificate



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## Specifications

- Outdoor installation (direct sunlight must be avoided)
- Temperature range: -25°C to +50°C
- Operating pressure: 4 to 16 bar (pressure regulator for setting the required GasPro pressure is made available)
- Supply voltage: 24 VDC / 230 VAC
- Battery operation also possible
- Sampling duration can be parameterized (standard: 4 days)
- Sample cylinder volume: 500 ml
- ATEX-compliant
- PTB certificate available
- Certificate of analysis issued by Open Grid Europe's GH80 test facility
- Total uncertainty: 0.3 % (including gas analysis uncertainty)

### Contact:

SmartSim GmbH  
Alfredstr. 81  
45130 Essen  
[info@smartsim.energy](mailto:info@smartsim.energy)

Dr. Peter Schley  
[peter.schley@smartsim.energy](mailto:peter.schley@smartsim.energy)  
tel. +49 172 2640309