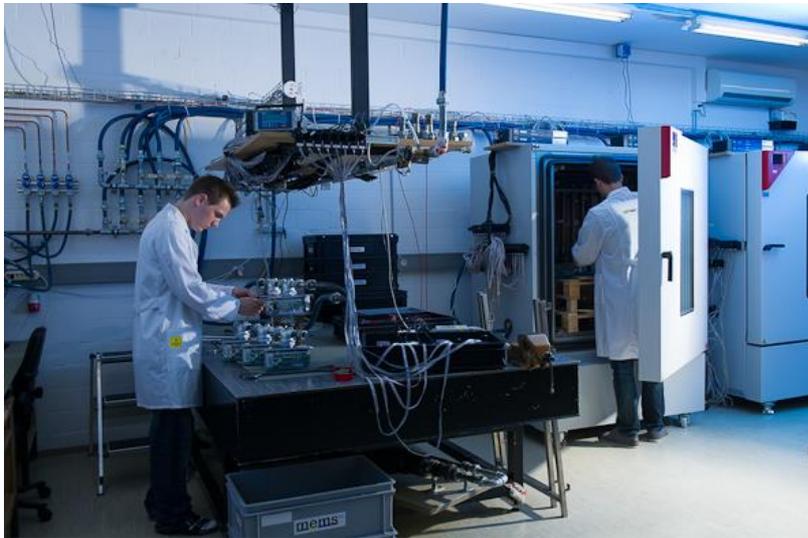


## MEMS gas laboratory

**MEMS AG has a modern and flexibly equipped laboratory for gas flow measurements, in particular also for the use of flammable gases.** The laboratory is equipped with hot-cold cabinets to bring the samples to the right temperature ranging from -40 °C to 180 °C. Various fixed and mobile measuring instruments and flow controllers make it possible to implement experimental setups according to your needs and wishes.



## Facts

|                      |                                                                            |
|----------------------|----------------------------------------------------------------------------|
| Gas measurements:    | air, N <sub>2</sub> , CO <sub>2</sub> , CH <sub>4</sub> , natural gas, ... |
| Flow:                | 0.1 ... 200 l/min (± 0.22 %)                                               |
| Temperature:         | -40 ... 180 °C                                                             |
| Pressure:            | 0 ... 200 bar (static)<br>0 ... 500 mbar (when in flow)                    |
| Temperature cabinet: | 3 x 0.72 m <sup>3</sup>                                                    |
| Special features:    | test bench with critical nozzles in positive pressure mode                 |
| Location:            | Birmenstorf AG, Switzerland                                                |

## Offer

**Measurements.** We carry out your experiments and measurements according to your individual specifications.

**Laboratory rental.** Would you like to perform your experiments yourself, or be present when they are being performed? MEMS AG rents out the gas laboratory including technical assistance and support.

**Know-how.** Due to our long-standing know-how in the field of gas control and instrumentation technology, we are able to assess the feasibility and difficulties of your project and optimize existing concepts if necessary.

**Gas quality measurements.** Would you like to measure specific gas properties and values? Due to its specially developed gasQS® technology, MEMS AG is a pioneer and expert in the field of gas quality determination.

## Version management

| Date       | Editor | Comment                                                                                                                                                                                                                                         |
|------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14.09.2015 | CHZ    | Original; Added version management                                                                                                                                                                                                              |
| 31.10.2016 | CHZ    | <ul style="list-style-type: none"><li>- Versionierung in Fusszeile</li><li>- gasQS® Zeichen eingeführt</li><li>- optimize</li><li>- modern <u>and</u> flexible</li><li>- Aufzählung Kleingeschrieben</li><li>- Abstände bei Einheiten</li></ul> |
|            |        |                                                                                                                                                                                                                                                 |
|            |        |                                                                                                                                                                                                                                                 |
|            |        |                                                                                                                                                                                                                                                 |