

## PRODUCT RANGE

- Low pressure test rigs for domestic and industrial gas meters
- Closed-loop test systems for thermal gas meters
- Manufacturer test systems for metering stations
- High pressure test rigs for gas meters designed as closed-loop or as bypass
- Testing rigs for domestic and large water meters testing rigs
- Testing rigs for heat meters
- Testing rigs for electricity meters
- Mobile gas and water and electricity meter testing rigs
- Testing equipment for gas pressure regulators
- Flushing equipment
- Leakage testing equipment
- Testing equipment modernization
- Measurement data evaluation systems (InoCloud)

## SERVICE PROGRAM

- Calibration services according to DIN EN ISO/IEC 17025:2018
- Remote support and on-site service
- Maintenance contracts
- Preventive maintenance
- Update service
- Spare parts deliveries
- System expansion
- Software support with customized adaptations
- Customer related trainings

**You can find more information here:**



We are happy to answer your questions on site or you can contact us online at [www.inotech.eu/en](http://www.inotech.eu/en)



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**High Pressure Calibration Systems for Gas Meters**



## DESCRIPTION

The inotech test rigs for the calibration of gas meters under high pressure conditions are designed to meet the highest accuracy together with the shortest calibration time. The preferred HPCL-design (high pressure closed-loop) can be realized with the media natural gas, hydrogen, compressed air or inert gases.

### At a glance:

- Complete service from project planning to commissioning
- Short adjustment time to reach stable measurement conditions
- Fully automatic control in combination with special blower design with internal fan and drive motor

- Flexible and modular facilities, that follow national and international regulations and are approved by the PTB, Germany
- Designed for different pressures and flow rate-requirements
- Almost any configuration of reference meters, the length of the test section and the number of blowers with the heat exchangers integrated with the connected chilled water system, is possible
- A measurement uncertainty of <0,25% is achievable
- Fully automatic operation (filling, leak detection, measurement and flushing)
- HPCL can be realized independent from direct connection to a gas pipeline

## TECHNICAL DATA

### TYPE OF THE TEST FACILITY

High pressure test rig for gas meters, designed as closed-loop or as bypass

### PRESSURE

Up to 75 barg

### FLOW RATE

Up to 36,000 m<sup>3</sup>/h (higher flow rates on request)

### TEST MEDIA

Natural Gas, hydrogen, compressed air or inert gases (special gases on request)

### TYPE OF METER UNDER TEST (MUT)

- Turbine gas meters
- Ultrasonic gas meters
- Rotary piston gas meters

### SIZE OF MUT

1" - 24" (other sizes on request)

### TEST LINES

1 or 2 lines with up to 3 meters under test

### ACCURACY

≤0.25% at the entire range of the flow rates

### STANDARDS

Sets of calibrated gas meters, equipped according the required test points

### FEATURES

- Fully automatic process
- Freely definable process sequences
- Visualizing of the state variables
- Certified calculation of errors including the compensation of the state variables
- Output of measuring results to SQL data base, to screen or to printer, data backup