

## 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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**Test Rigs for Industrial Gas Meters**





## DESCRIPTION

The inotech test rigs for the calibration of industrial gas meters are designed to meet the highest accuracy with the shortest practical calibration time.

### At a glance:

- Calibration of all manufacturer-independent designs and sizes of industrial gas meters with flange connection
- Sensors for measuring temperature, pressure and differential pressure for high-level accuracy in calibration
- Software using the information from the process control system, monitors the system status and performs continuous plausibility checks of all measured values

- With rotary gas meters, turbine gas meters and critically operated Venturi nozzles as references, the test system can be tailored exactly to your requirements
- Guarantees the highest accuracy and the fastest flow control
- Optional pneumatic clamping system allows easy installation and reduced setup time
- Test rig can handle all kinds of pulse generators, also with laser sensor
- Fully automatic, predefinable test sequences
- All processes and measurement data are shown in active flow diagram

The certified error calculation meets the international standards,

## TECHNICAL DATA

### TYPE OF THE TEST FACILITY

Test rig for industrial gas meters with individual recording of the test volume of the MuT

### TYPE OF METERS

- Turbine gas meter
- Rotary gas meters
- Ultrasonic gas meters
- Diaphragm gas meters

### METER SIZES

- G25 - G10,000

### STANDARDS IN USE

Critically operated nozzles, turbine gas meters, rotary piston gas meters

## SENSORS IN USE

- Temperature sensors
- Pressure sensors
- Differential pressure sensors

## FLOW RANGE

- 0.1 m<sup>3</sup>/h - 16,000 m<sup>3</sup>/h

## TEST MEDIUM

- Ambient air (standard)
- Natural gas, hydrogen (optional)

## OPERATING MODE

- Suction operation

## ACCURACY IN MEASURING (WITHOUT METER UNDER TEST)

- ≤0.30% bei Q<sub>min</sub>
- ≤0.25% über 0.2·Q<sub>max</sub> bis Q<sub>max</sub>

## VOLUME MEASUREMENT

- Gaging meter volume by pulse generators
- Gaging counter by light sensor
- Gaging Counter by start-/stop
- Communication via interface

## DISPLAYING OF METER AND PROCESS DATA

MUT-Modul with display next to test location

## DATA ENTRY

Hand-Held-Scanner / PC-Keyboard

## PROCESS CONTROL AND MEASUREMENT DATA ACQUISITION

PLC with inotech measurement components