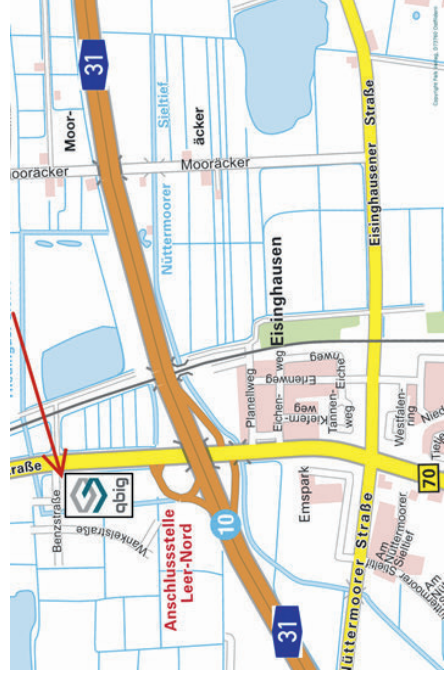




High-pressure test facility for gas meters



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PTB

Mess- und Eichwesen Niedersachsen

Staatliche Anerkennung einer Prüfstelle für Messgeräte für Gas

Der Landesbetrieb Mess- und Eichwesen Niedersachsen hat mit Bescheid vom 30.08.2019 die Prüfstelle bei dem Träger

**qbig GmbH
Benzstraße 3
26789 Leer**

statisch anerkannt.

Die Prüfstelle führt die Bezeichnung

Staatlich anerkannte Prüfstelle für Messgeräte für Gas GNI 18 bei dem Träger der Prüfstelle qbig GmbH

Dies Befähigt die Prüfstelle, sich auf die Eichung und Befundprüfung folgender Messgerätearten:

- Drehkolbengasähler bis zu einem Q_{max} 2500 m^3/h
- Turbinengasähler bis zu einem Q_{max} 16000 m^3/h
- Wirbelgasähler bis zu einem Q_{max} 16000 m^3/h
- Mengenumwerter bis zu einem Betriebsdruck von 125 bar
- Gasbeschleunigter / Brennermessgeräte
- Zusatzeinrichtungen für Messgeräte für Gas

Hannover, den 30. August 2019

Dipl. Ing. Björn

Mess- und Eichwesen Niedersachsen - Goebstraße 44 - 30109 Hannover

A new approach to testing and calibrating gas meters

In 2019, the qbig GmbH, a subsidiary of the Gastransport Nord GmbH, commissioned the world's most advanced high-pressure test facility for gas meters.

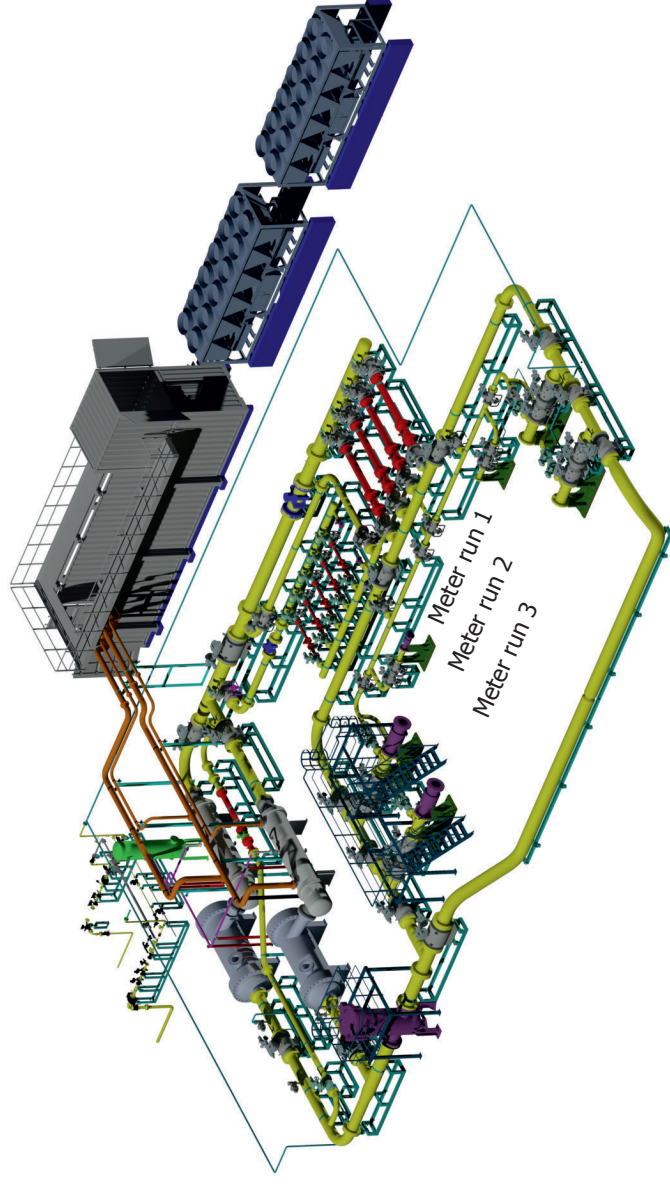
It has nine test standards, three meter runs and the option of bidirectional testing and calibration to meet the highest demand of customers.

Bidirectional testing of gas meters with rated widths of up to DN 500 in a pressure range of 8 to 52 bar in just one setting is also the unique feature of this test facility. This allows us to reduce the testing times considerably and achieve a high level of flexibility thanks to the closed loop design. The connection to the high-pressure gas network allows the test gas to be removed and returned to the transmission system.

State-approved testing centre

The qbig GmbH is not dependent on a specific manufacturer and is the state-approved testing centre for measuring devices for gas GNI 18.

This means it is authorised to carry out inspection tests and to calibrate gas meters, volume correctors and auxiliary equipment. The working standards based on European high-pressure standards defined by the Physical and Technical Institute (PTB) also allow the calibration and marketing of a wide range of gas meters.



Technical Data

pressure range:

p_{\min} 8 bar abs. to p_{\max} 52 bar abs.

flow rate range:

Q_{\min} 13 m³/h to Q_{\max} 11,200 m³/h

Q_{\max} 16,000m³/h at a reduced test pressure

3 meter runs:

2 x DN 400 / DN 500 (max. installation length 14.5 m)

1 x DN 150 (max. installation length 8 m)

bidirectional operations

- † testing meters up to DN 500
- † high flexibility thanks to closed loop design with direct connection to the high pressure gas network
- † permanent online check of the working standards with ultrasound gas meters
- † direct check of the working standards against each another in the test bench
- † test gas is removed and returned to the distribution network