



Konformitätserklärung
Declaration of Conformity

Produkt
Product Gaszähler
Gas meters
Gaszähler mit eingebauter Temperaturumwertung
Gas meters with built-in temperature conversion devices

Typ, Ausführung
Type, Model BK G 1,6 BK G 25
BK G 1,6T ... BK G 25T

Produkt-Kennzeichnung
Product marking M... 0102

DE-07-MI002-PTB001
DE-07-MI002-PTB002

EG-Richtlinien
EC-Directives 2004/22/EG
2004/22/EC

Normen
Standards DIN EN 1359: 2007
(EN 1359: 1998 / A1:2006)

EG-Baumusterprüfung
EC Type-Examination Physikalisch-Technische Bundesanstalt
Notified Body 0102

Überwachungsverfahren
Surveillance Procedure 2004/22/EG Anhang D
2004/22/EC Annex D
Physikalisch-Technische Bundesanstalt
Notified Body 0102

Wir erklären als Hersteller:

Die entsprechend gekennzeichneten Produkte erfüllen die Anforderungen der aufgeführten Richtlinien und Normen. Sie stimmen mit dem geprüften Baumuster überein. Die Herstellung unterliegt dem genannten Überwachungsverfahren.

We declare as manufacturer:

Products labelled accordingly meet the requirements of the listed directives and standards. They correspond to the tested type samples. The production is subject to the stated surveillance procedure.

Osnabrück, 14.09.2007

Leiter Geschäftssegment Gaszähler
Head of Business Segment, Gas Meter

Leiter Entwicklung Haushaltsgasmessung
Head of R&D Residential Gas Metering

Elster GmbH, Postfach 2809, D – 49018 Osnabrück



**Installation and operating instructions for
diaphragm gas meters BK-G1.6 to BK-G25
and BK-G1.6T to BK-G25T
in accordance with EN 1359**

(international edition)

Further support is available from your local agent.

The addresses can be found on the Internet sites of Elster GmbH
www.elster-instromet.com

Elster-Instromet GmbH
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Elster GmbH

Confirmation

The diaphragm gas meters BK-G1.6 to BK-G25 and BK-G1.6T to BK-G25T with the manufacturer's identification mark



elster comply with the essential requirements of DIN EN 1359. The conformity to Directive 2004/22/EC (MID) will be declared by affixing the corresponding marking as shown below. During a transition period can still be applied the type approval in accordance with Directive 71/318/EEC (previous regulation). Thus the meters are suitable for measurements which are subjected to statutory metrological testing in both cases. This applies in conjunction with gases of the first to third families in accordance with DIN EN 437:2003, e.g. natural gas, town gas, propane or butane.

If used for internal measurements which are not subjected to mandatory calibration, the products are also suitable for hydrogen, nitrogen, air and inert gases.

Comprehensive quality assurance is guaranteed by a certified Quality System pursuant to DIN EN ISO 9001.

Elster diaphragm gas meters are maintenance-free.

The maximum allowable operating pressure and the permitted measuring range (Q_{min}/Q_{max}) are specified on the dial.

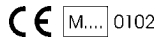
The permitted operating/ambient temperature is $t_m = -25^{\circ}\text{C}$ to $+55^{\circ}\text{C}$, unless otherwise specified on the dial.

For meters on which conformity with Directive 2004/22/EC (MID) is declared on the dial, the following specifications also apply:

The gas temperature t_g where the error of indication still lays within the error limits as set out in the directive is usually declared on the dial. In the case of missing declaration t_g is according to EN 1359 equal to t_m .

The meters are suitable for mechanical ambient conditions of class M1 of the directive. For meters with an encoder index, class E2 for electromagnetic ambient conditions also applies. The meters are suitable for rain protected locations (inside or outside) with condensing humidity.

Identification: The conformity with Directive 2004/22/EC is declared by affixing the marking



whereas after the letter "M" is inserted the year of Declaration of Conformity (year of construction) by two digits.

Diaphragm gas meters have to be transported and stored in the upright position. The permitted storage temperature is -25°C to $+60^{\circ}\text{C}$.

WARNING!

Improper installation, pressure tests, modifications or incorrect use can cause personal injury or damage to property. It is essential to read the instructions below before installation.

If the seal has been damaged or removed, the gas meter is not longer approved for statutory measurements.

Before installation the gas meters have to be checked for transport damage and the transport safety caps for the inlet and outlet have to be removed.

Installation

The meter may only be installed by authorised trained personnel.

This unit must be installed in accordance with the regulations in force. Furthermore, the directives of the gas supply company must be complied with for the installation of gas meters.

The meter should be as dry as possible and should not be installed so that it does not come into contact with the wall or other parts. Ensure that the counter can be read off easily.

The gas meter must be installed in the pipe free of mechanical stress and in the horizontal position (connections pointing upwards).

The direction of flow is indicated by an arrow:

- on the housing for a two-pipe connection.
- on the connector for a one-pipe connection.

Only suitable screws and seals have to be used.

The tightness test has to be carried out according to the directives or requirements of the gas supply company.

Gaskets

The screw seal faces must be clean and damage-free.

Only seals made from tested materials may be used.

For meters resistant to high temperatures (HTR), only seals tested to be resistant to high temperatures may be used.

We recommend that you only use the seals selected by us.

Seals may only be used once!

Tightening torques

For the compression of seals and the resulting tightening torques for the gas meter unions, the seal manufacturers' specifications must be observed where appropriate.

Caution!

Pipe tests at pressures exceeding the maximum allowable operating pressure of the gas meter are to be performed without the meter.

On commissioning and tightness testing, the pressure must be applied or released slowly.

When used in applications which are subject to mandatory calibration, recalibration must be made in accordance with national directives.

Removal




After removal, the inlet and outlet must be closed immediately with protective caps.

Interfaces

To get the pulse from the mechanical index there can be installed a retrofittable pulse transmitter IN-Z6x. The interface description can be taken from the data sheet/brochure of the pulse transmitter.

If the gas meter is equipped with an Encoder index, the interface description can be downloaded on the internet site.

Explosion-hazard areas

Gas meters marked with the symbols (additional stickers)  and  are suitable for operation in potentially explosive atmospheres of Category 2 (Zone 1) of Class  II 2 G c IIB (TÜV 04 ATEX 2631).

Improper installation, pressure tests, modifications or incorrect use can cause personal injury or damage to property, and in the presence of an explosive mixture can pose a potential ignition hazard.

An equipotential bonding must be provided for the meter connection pipes.

We reserve the right to make technical modifications in the interests of progress.