



OIML Member State
Czech Republic

OIML Certificate No.
R137/2012-A-CZ1-24.01
Revision 1

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority

Name: Czech Metrology Institute
Address: Okružní 31,
638 00 Brno
Czech Republic

Person responsible: Jan Kalandra

Applicant

Name: Hangzhou Innover Technology Co., Ltd
Address: NO.1186-1, Bin'an Road, Binjiang District
310052 Hangzhou City
Zhejiang Province, China

Manufacturer

Name: Hangzhou Innover Technology Co., Ltd
Address: NO.1186-1, Bin'an Road, Binjiang District
310052 Hangzhou City
Zhejiang Province, China

Identification of the certified type *(the detailed characteristics will be defined in the additional pages)*

diaphragm gas meter
type: G1.6, G2.5, G4, G4K

Designation of the module *(if applicable)*

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R137

Edition (year): 2012, Including Amendment 2014

For accuracy class (if applicable): 1.5



This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report:

- No. 0511-ER-P084-24 dated 30.9.2024 that includes 17 pages.
- Test Report No. 5012-PT-A0014-24 dated 26.9.2024 that includes 11 pages.

The technical documentation relating to the identified type is contained in documentation file:

0511-UL-P084-24

OIML Certificate History

Revision No.	Date	Description of the modification
-	29 May 2024	Issuing Certificate
Revision 1	14 October 2024	Gas meters with aluminium housing and pulse emitter were added.

Identification, signature and stamp

The OIML Issuing Authority

RNDr. Pavel Klenovský


Head of Certification Body

Date: 14 October 2024



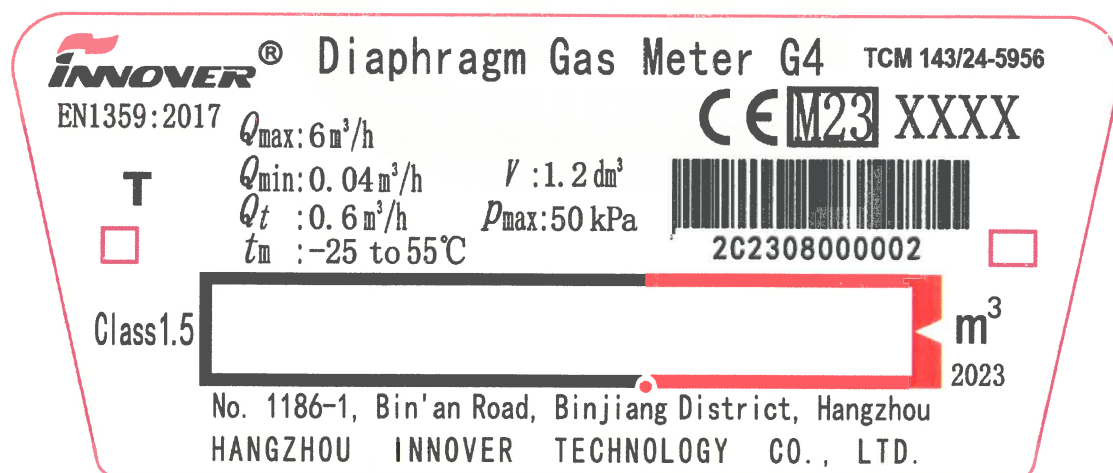
Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

1 General information concerning the type

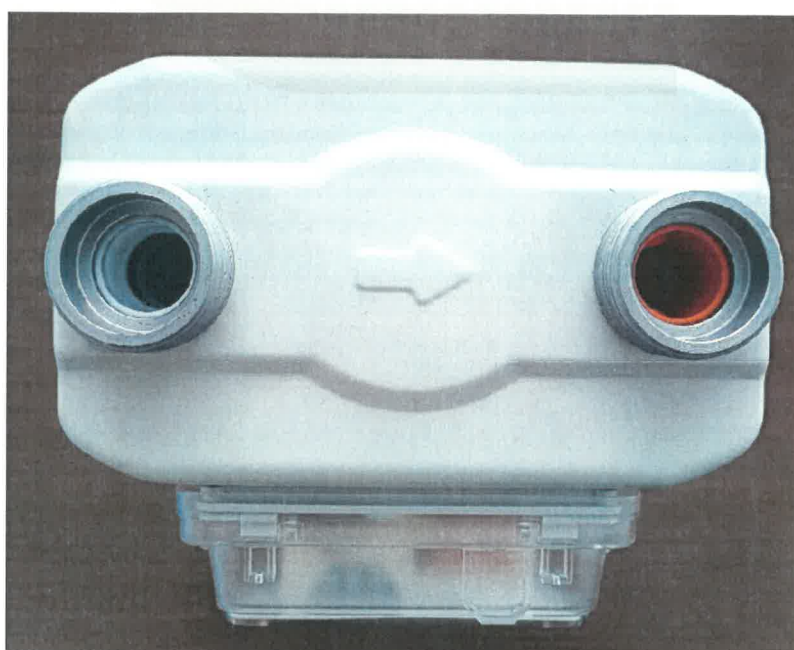
Information, indicated on the instrument	
Manufacturer's trade mark	
Type designation	G4, G4K, G2.5, G1.6
Accuracy class	1.5
Cyclic volume (if applicable)	1.2 dm ³
Minimum pressure p_{min}	0 bar(g)
Maximum pressure p_{max}	0.5 bar(g)
Ambient temperature range	(-25 ... +55) °C
Gas temperature range	(-25 ... +55) °C
Base pressure (if applicable)	Not applicable
Base temperature (if applicable)	Not applicable
t_{sp} (if applicable)	Not applicable
Electrical power	Not applicable
Identification of software	Not applicable

Example of the label:

(Gas meters with aluminium housing must not be marked with letter "T".)



Photos of the construction of gas meters with steel housing:



Photos of the construction of gas meters with aluminium housing:



2 Additional information concerning the type

Size G	Q_{max} (m ³ /h)	Q_t (m ³ /h)	Q_{min} (m ³ /h)	Cyclic volume V (dm ³)	Maximum permissible pressure loss ΔP in Q_{max} (Pa)	P_{max} (kPa)
G4K	6.0	0.6	0.016	1.2	200	50
G4	6.0	0.6	0.04	1.2	200	50
G2.5	4.0	0.4	0.025	1.2	200	50
G1.6	2.5	0.25	0.016	1.2	200	50

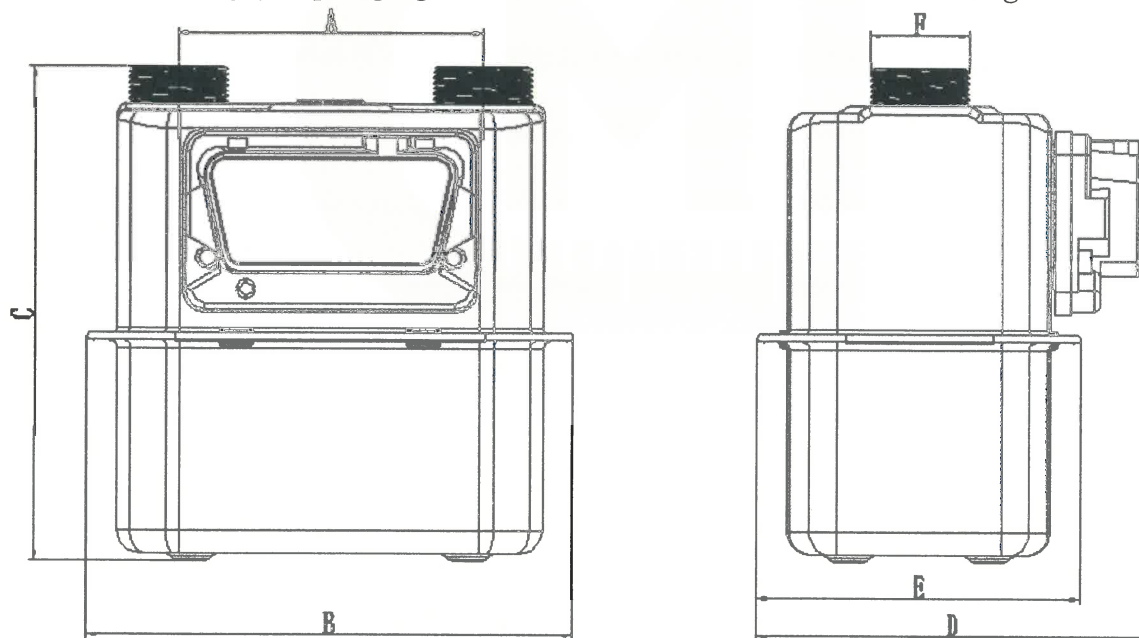
Pulse number	1 imp = 0.01 m ³
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The gas meter does not contain any electronic components.

The gas meter can be produced with steel housing with the distance between connections (male threads):
130 mm, 110 mm

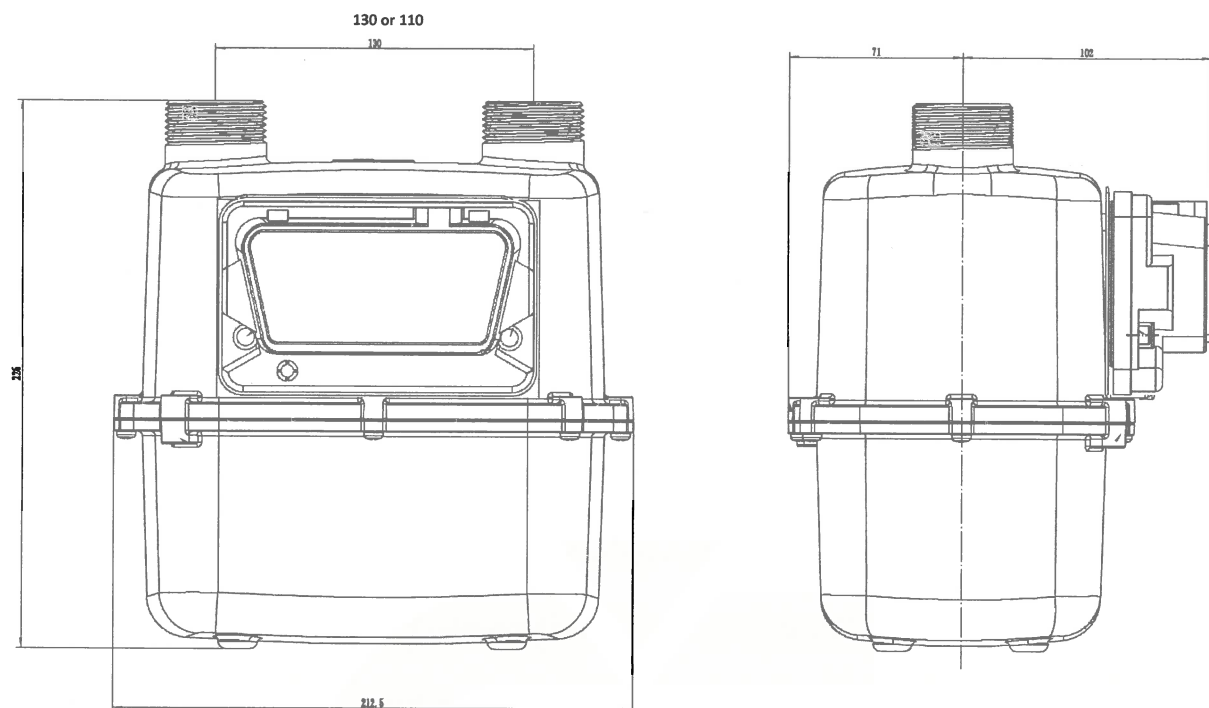
The male threads used in gas meters G1.6, G2.5, G4, G4K:
G1¼, G1", G7/8", G3/4", M30×2, M26×1.5, 3/4"NPT, 1"BS746, 3/4"BS746

Dimensional drawing of diaphragm gas meters G1.6, G2.5, G4, G4K with steel housing:

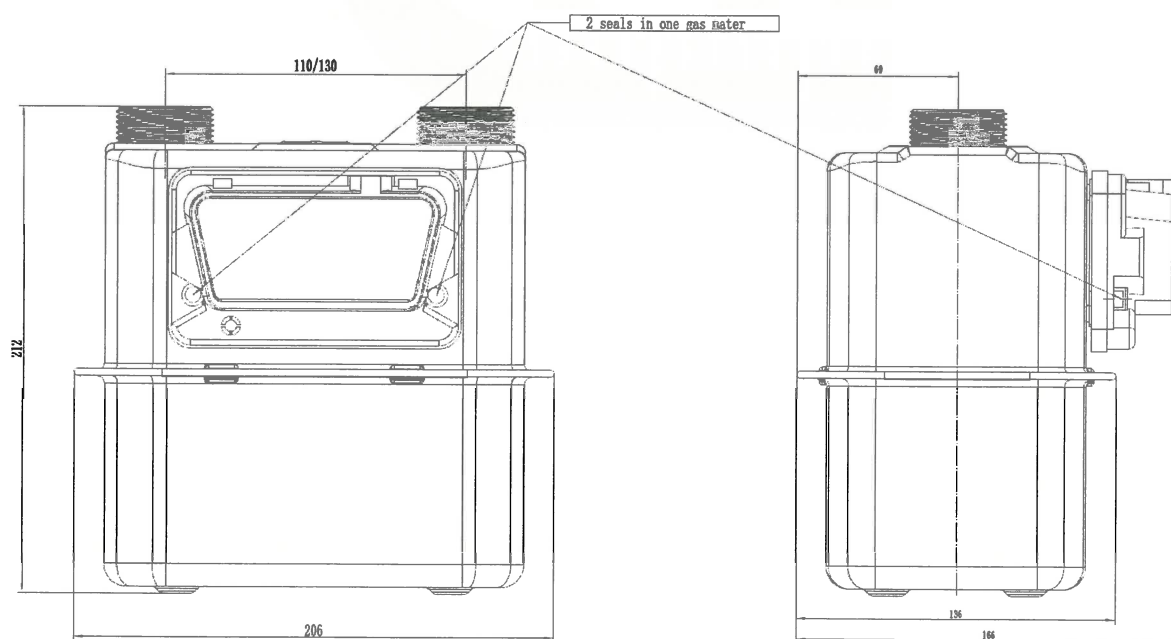


A (mm)	110/130
B (mm)	206
C (mm)	212
D (mm)	166
E (mm)	136

Dimensional drawing of diaphragm gas meters G1.6, G2.5, G4, G4K with aluminium housing:



Location of 2 seals on diaphragm gas meters G1.6, G2.5, G4, G4K with steel housing:



Location of 4 seals on diaphragm gas meters G1.6, G2.5, G4, G4K with aluminium housing:

