



OIML Member State
Czech Republic

OIML Certificate No.
R137/2012-A-CZ1-2023.02

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: Taizhou Durui Metering Co.,Ltd.
Address: No.422, Xinda Str., Xinqiao Town, Luqiao Dist.
Taizhou City, 318055
Zhejiang, China

Manufacturer

Name: Taizhou Durui Metering Co.,Ltd.
Address: No.422, Xinda Str., Xinqiao Town, Luqiao Dist.
Taizhou City, 318055
Zhejiang, China

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

diaphragm gas meter
type: G1.6S, G1.6A

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-P042-22 dated 7.6.2023 that includes 18 pages.
- Test Report No. 5012-PT-A0005-23 dated 5.6.2023 that includes 20 pages.

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

0511-UL-P042-22

OIML Certificate History

| Revision No. | Date | Description of the modification |
|--------------|-------------|---------------------------------|
| - | 9 June 2023 | Issuing Certificate |
| | | |
| | | |
| | | |

Identification, signature and stamp

The OIML Issuing Authority


RNDr. Pavel Klenovský
Head of Certification Body

Date: 9 June 2023

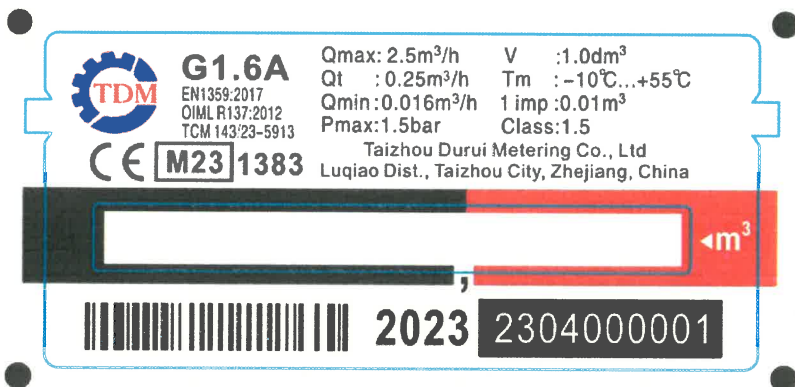
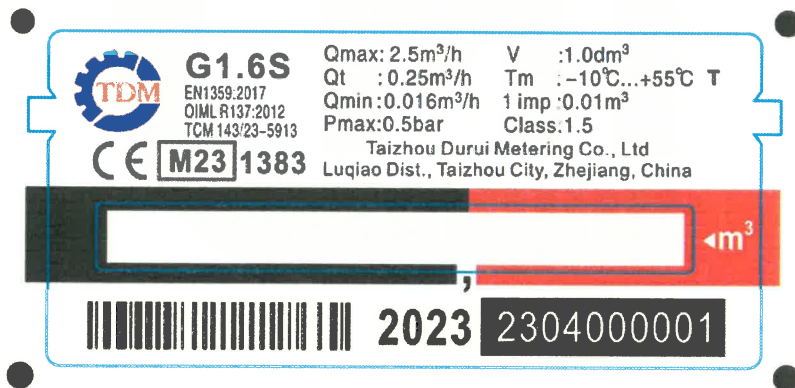


Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

1 General information concerning the type

| Information, indicated on the instrument | |
|--|---|
| Manufacturer's trade mark |  |
| Type designation | G1.6S, G1.6A |
| Accuracy class | 1.5 |
| Cyclic volume (if applicable) | 1.0 dm ³ |
| Minimum pressure p_{min} | 0 bar(g) |
| Maximum pressure p_{max} | 1.5 bar(g) for G1.6A (aluminium) 0.5 bar(g) for G1.6S (steel) |
| Ambient temperature range | (-10 ... +55) °C |
| Gas temperature range | (-10 ... +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 labels:



Photos of the constructions:

Steel housing G1.6S :



Aluminium alloy housing, G1.6A :



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} (bar) |
|-----------|----------------------------------|------------------------------|----------------------------------|--|--|--------------------|
| G1.6A | 2.5 | 0.25 | 0.016 | 1.0 | 200 | 1.5 |
| G1.6S | 2.5 | 0.25 | 0.016 | 1.0 | 200 | 0.50 |

The gas meter can be produced with the distance between connections (male threads):
130 mm, 110 mm, 100 mm

The male threads used in gas meters:

G1¼, G1", G7/8", G3/4", M30*2, M26*1.5, 3/4"NPT, 1"BS746, 3/4"BS746

