

**OIML Member State**

Czech Republic

**OIML Certificate No.**

R137/2012-A-CZ1-22.01

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: ZHEJIANG CANGNAN INSTRUMENT GROUP CO., LTD.

Address: No. 345 Strait Avenue, Lingxi Town, Cangnan County,  
Wenzhou City, Zhejiang Province, P.R.China 325800**Manufacturer**

Name: ZHEJIANG CANGNAN INSTRUMENT GROUP CO., LTD.

Address: No. 345 Strait Avenue, Lingxi Town, Cangnan County,  
Wenzhou City, Zhejiang Province, P.R.China 325800**Identification of the certified type** (*the detailed characteristics will be defined in the additional pages*)

Turbine gas meter, type TM

**Designation of the module** (*if applicable*)

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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): 1.0



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-OP019-21 dated 19.07.2022 that includes 21 pages.
- OIML Test Report No. 5012-PT-A0010-22 dated 19.07.2022 that includes 33 pages.

The technical documentation relating to the identified type is contained in documentation file:  
0511-UL-OP019-21

**OIML Certificate History**

Revision No.	Date	Description of the modification
-	20 July 2022	Issuing Certificate
Revision 1	10 May 2024	Address change and change in certificate number

Identification, signature and stamp

**The OIML Issuing Authority**


RNDr. Pavel Klenovský  
Head of Certification Body

Date: 10 May 2024

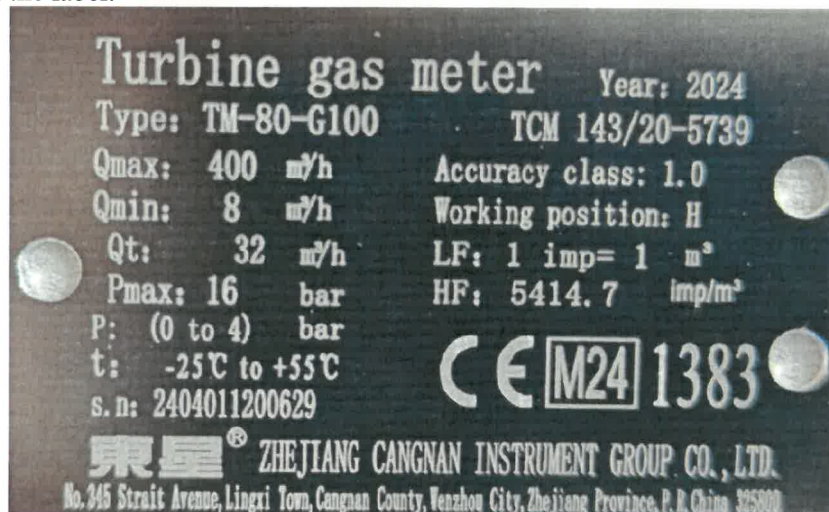


*Important note:* Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

1 General information concerning the type

Information, indicated on the instrument	
Manufacturer's trade mark	
Type designation	TM
Accuracy class	1.0
Cyclic volume (if applicable)	---
Minimum pressure $p_{min}$	0 bar(g)
Maximum pressure $p_{max}$	4 bar(g)
Ambient temperature range	-25°C .... +55°C
Gas temperature range	-25°C .... +55°C
Base pressure (if applicable)	---
Base temperature (if applicable)	---
$t_{sp}$ (if applicable)	---
Electrical power	---
Identification of software	---

Example of the label:

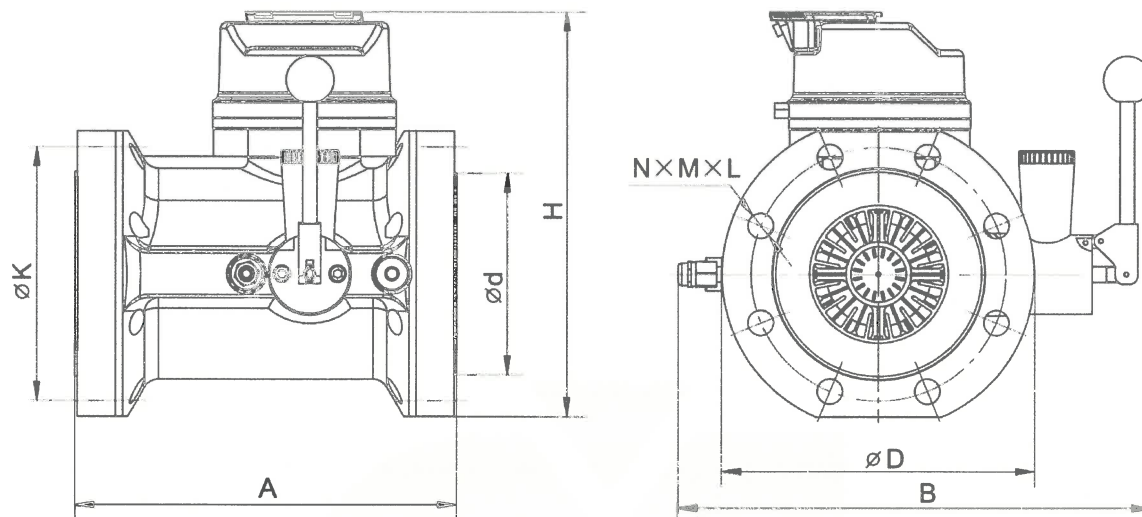


Example of the counter head:



**2 Additional information concerning the type**

DN (mm)	Type specification	G	$Q_{min}$ (m <sup>3</sup> /h)	$Q_{max}$ (m <sup>3</sup> /h)	LF Pulse output (m <sup>3</sup> /imp)	Working pressure (bar)	Pmax (bar)	Material	Weight (kg)
50	TM-50	G100	8	160	1	(0-4)	16	Aluminium alloy	6
80	TM-80	G100 G160 G250	8 12.5 20	160 250 400	1 1 1	(0-4)	16	Aluminium alloy	10.5
100	TM-100	G160 G250 G400	12.5 20 32	250 400 650	1 1 1	(0-4)	16	Aluminium alloy	15
150	TM-150	G400 G650 G1000	32 50 80	650 1000 1600	1 1 10	(0-4)	16	Aluminium alloy	33
200	TM-200	G650 G1000 G1600	50 80 125	1000 1600 2500	1 10 10	(0-4)	16	Aluminium alloy	62
250	TM-250	G1000 G1600 G2500	80 125 200	1600 2500 4000	10 10 10	(0-4)	16	Carbon steel	143
300	TM-300	G1600 G2500 G4000	125 200 320	2500 4000 6500	10 10 10	(0-4)	16	Carbon steel	165



DN (mm)	PN (MPa)	A (mm)	B (mm)	H (mm)	D (mm)	K (mm)	d (mm)	N x M x L
50	1.6	150	277	238	165	125	99	4 x M16 x 60
80	1.6	240	299	257	200	160	132	8 x M16 x 70
100	1.6	300	327	283	220	180	156	8 x M16 x 80
150	1.6	450	379	346	285	240	211	8 x M20 x 80
200	1.6	600	441	411	340	295	266	12 x M20 x 100
250	1.6	750	414	450	405	355	319	12 x M27 x 140
300	1.6	900	464	505	460	410	370	12 x M24 x 140