OIML Certificate

OIML Member State
The Netherlands

Number R 137/2012-B-NL1-19.03
Project number 2379625

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and Manufacturer	Tancy Instrument Group Co., Ltd. No. 198, Hualian Road, Cangnan Industrial Zone Wenzhou City, Zhejiang Province P.R. China
Identification of the certified type	A **rotary displacement gas meter** Type: TYL
Characteristics	See page 2 and further

This OIML Certificate is issued under scheme B

This 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):

R 137-1 (2012) "Gas meters"

Accuracy class 1.0

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. This Certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was 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.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
17 June 2019

C. Oosterman
Head Certification Board

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OIML Certification System

RvA I 122 INSPECTION

OIML Member State
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The conformity was established by the results of tests and examinations provided in the associated report(s):

- No. NMi-SO14204809-01 dated 7 April 2019 that includes 34 pages.

Characteristics of the gas meter
In Table 1, the general characteristics of the measuring instrument are presented.
Tables 2 and 3 gives an overview of the general characteristics of the family of instruments.

Table 1 General characteristics

Destined for the measurement of	Gas volume
Mechanical class	M1
Electromagnetic Class	Not applicable (the gas meter has no electronics)
Accuracy class	1.0
Maximum pressure	16 bar(g)
Ambient temperature range	-25 – +55 °C
Gas temperature range	-25 – +55 °C
Designed for humidity conditions	Not applicable (the gas meter has no electronics)
Orientation	Horizontal, vertical up and vertical down (all orientations)
Flow direction	Uni-directional (indicated with arrow)
Power supply voltage	Not applicable
Software identification	Not applicable

Table 2 Essential characteristics of the family of instruments

Nominal diameter	Type	Cyclic volume	Qmax	Qt	Qmin
[mm]		[dm³]	[m³/h]	[m³/h]	[m³/h]
25	G10	0,177	16	1,6	0,4
50	G16 G25 G40 G65	0,210 0,283 0,566 0,708	25 40 65 100	2,5 2,0 3,25 5,0	0,5 0,5 0,5 0,5
80	G100 G160-3	1,05 2,78	160 250	8,0 12,5	0,65 1,6
100	G160-4” G250 G400-4”	2,78 4,20 5,66	250 400 650	12,5 20,0 32,5	1,6 2,0 3,2
150	G400-6” G650	10,5 15,7	650 1000	32,5 50,0	6,5 10,0
200	G1000	19,9	1600	80,0	16,0

Table 3 Verification scale interval

Type	Number of drums		Control element
	Before the comma	Behind the comma	[m³]
G10 – G25	6	2	0,002
G40 – G400	7	1	0,02
G650 – G1000	8	0	0,2

Installation conditions:
For this rotary gas meter, no specific installation conditions are applicable.