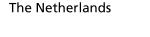




# OIML Certificate

Number R137/2012-A-NL1-22.02 revison 1 Project number 3506247 Page 1 of 4



Issuing authority NMi Certin B.V.

Person responsible: M.Ph.D. Schmidt

ZENNER Metering Technology (Shanghai) Ltd. Applicant and

NO.6558, East Yinggang Road Manufacturer

Qingpu Industrial Zone

Shanghai P.R. China

Identification of the A Rotary displacement gas meter

certified type Type: ZYL

Characteristics See page 2 and further

This OIML Certificate is issued under scheme A

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

20 January 2023

**Certification Board** 

NMi Certin B.V. Thijsseweg 11 2629 JA Delft The Netherlands T+31 88 636 2332 certin@nmi.nl

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The Netherlands

# **OIML** Certificate



Number R137/2012-A-NL1-22.02 revision 1 Project number 3506247 Page 2 of 4

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



- No. NMi-2238753-02 dated 28 February 2022 that includes 29 pages.
- No. NMi-3506247-02 dated 20 January 2023 that includes 12 pages.

## Characteristics of the measuring instrument

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
Environmental classes	M1/E1
Accuracy class	1,0
Maximum pressure	16 bar(g)
Ambient temperature range	-25 +55 °C
Gas temperature range	-25 +55 °C
Designed for	Non-condensing humidity / condensing humidity
Orientation	Horizontal, vertical up and vertical down all orientations
Flow direction	Uni-directional (indicated with arrow)
Lubrication	Aeroshell Fluid 10

















Number R137/2012-A-NL1-22.02 revision 1 Project number 3506247 Page 3 of 4

**Table 2 Essential characteristics of the family of instruments** 

Nominal diameter	Туре	Cyclic volume	Q <sub>min</sub>	Qt	Q <sub>max</sub>
[mm]		[dm³]	[m³/h]	[m³/h]	[m³/h]
25	G10		0,4	1,6	16
25	G16	0.22	0,4	2,5	25
40	G16	0,22	0,4	2,5	25
40	G25		0,4	4	40
50	G25		0,65	4	40
50	G40	0,70	0,65	6,5	65
50	G65		0,65	10	100
80	G65	1,11	0,65	10	100
80	G100		0,65	16	160
80	G160	2,06	1,6	25	250
100	G160	2,55	1,6	25	250
100	G250	3,97	2,5	40	400
100	G400		2,5	65	650
150	G400	10,83	4	65	650
150	G650	13,38	6,5	100	1000
200	G1000	17,45	10	160	1600

**Table 3 Verification scale interval** 

Toma	Number	Control element		
Туре	Before the comma	Behind the comma	[m³]	
G10 – G100	6	2	0,002	
G160 – G1000	7	1	0,02	

## **Installation conditions:**

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





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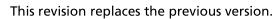


# **OIML Member State** The Netherlands



Number R137/2012-A-NL1-22.02 revision 1 Project number 3506247 Page 4 of 4

## **History file**





Revision	Date	Description of the modification
Initial	1 March 2022	Initial issue
1	20 January 2023	Additional testing, lower Qmin









