

OIML Member State
The Netherlands

Number R 137/2012-B-NL1-18.13
Project number 16200656
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Issuing authority NMI Certin B.V.
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Identification of the certified type **A Rotary displacement gas meter**
IM-RM

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.

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Issuing Authority **NMI Certin B.V., OIML Issuing Authority NL1**
7 December 2018



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

- No. CVN-700313-02 dated 11 March 2014 that includes 27 pages;
- No. NMI-11200077-01 dated 5 October 2018 (identical copy) that includes 7 pages;
- No. NMI-15200227-01 dated 22 December 2016 that includes 10 pages;
- No. NMI-16200656-01 dated 17 January 2018 that includes 20 pages;
- No. NMI-16200656-02 dated 7 December 2018 that includes 19 pages.

Characteristics of the measuring instrument

In Table 1 the general characteristics of the measuring instrument are presented.

Table 2 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	20 bar
Ambient temperature range	-25 °C / +55 °C
Gas temperature range	-25 °C / +55 °C
Designed for	condensing humidity
Orientation	Horizontal / Vertical up / Vertical down (all orientations)
Flow direction	Uni-directional (indicated with arrow)

Table 2 General characteristics of the family of instruments

G-value	Q _{max} [m ³ /h]	minimum Q _{min} [m ³ /h]	Q _t [m ³ /h]	volume V [dm ³]	diameter [mm]	accuracy class	maximum p _{max} [bar(g)]
G10	16	0,3	0,8	0,18	40 ^[1]	1,0	19
G16	25	0,3	1,25	0,18	40 ^[1]	1,0	19
G25	40	0,5	2	0,26	40 ^[1]	1,0	19
G40	65	1,8	3,25	0,26	40 ^[1]	1,0	19
G16	25	0,5	1,25	0,69	40 or 50	1,0	19
G25	40	0,5	2	0,69	40 or 50	1,0	19
G40	65	0,5	3,25	0,69	40 or 50	1,0	19
G65	100	0,5	5	0,69	40 or 50	1,0	19
G65	100	0,5	5	0,69	40 or 50	1,0 ^[2]	20
G40	65	0,8	3,25	1,11	50 or 80	1,0	19
G65	100	0,8	5	1,11	50 or 80	1,0	19
G100	160	0,8	8	1,11	50 or 80	1,0	19
G100	160	0,8	8	1,11	50 or 80	1,0 ^[2]	20
G160	250	1,6	12,5	1,42	80	1,0	19
G160	250	1,6	12,5	1,42	80	1,0 ^[2]	20
G65	100	1,25	5	1,73	80	1,0	19
G100	160	1,25	8	1,73	80	1,0	19
G160	250	1,25	12,5	1,73	80	1,0	19
G160	250	1,25	12,5	1,73	80	1,0 ^[2]	20
G65	100	1,25	5	2,31	80 or 100	1,0	20
G100	160	1,25	8	2,31	80 or 100	1,0	20
G160	250	1,25	12,5	2,31	80 or 100	1,0 ^[2]	20
G100	160	2	8	2,98	80 or 100	1,0	20
G160	250	2	12,5	2,98	80 or 100	1,0	20
G250	400	2	20	2,98	80 or 100	1,0 ^[2]	20
G250	400	3,25	20	3,88	100 or 150	1,0	20
G400	650	3,25	32,5	3,88	100 or 150	1,0 ^[2]	20
G400	650	5	32,5	5,97	150	1,0	20
G650	1000	5	50	5,97	150	1,0 ^[2]	20

[1] The meters are equipped with 1 ½ inch thread connections.

[2] The meters can also be delivered as class 1,5 with $Q_{max}/Q_{min} \geq 150$.

Installation conditions:

For this rotary meter family no specific installation conditions are applicable.