

**OIML Member State**  
The Netherlands

Number R137/2012-NL1-15.03  
Project number SO14204809  
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Issuing authority NMI Certin B.V.  
Person responsible: C. Oosterman

Applicant and manufacturer Metreg Technologies GmbH  
Tränkeweg 9  
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Germany

Identification of the certified type A **rotary displacement gas meter**  
Type: MRM

Characteristics See page 2 and 3

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

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**  
16 April 2015



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# OIML Certificate of Conformity

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The conformity was established by the results of tests and examinations provided in the associated OIML Type Evaluation Report:

- No. NMI-SO14204809-02 dated 7 April 2015 that includes 12 pages.

### Characteristics of the gas meter:

Table 1 gives the general characteristics of the meter type. Table 2 and 3 specify in detail the essential characteristics and verification scale interval.

Destined for the measurement of	Gas volume
Mechanical class	M2
Electromagnetic class	Not applicable (the meter has no electronics)
Ambient temperature range	-25 °C / +55 °C
Gas temperature range	-25 °C / +55 °C
Designed for humidity conditions	Not applicable (the 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

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

Remarks regarding table 2:

1. The overload flow rate (Q<sub>o</sub>) for all rotary meters is equal to  $1,2 \cdot Q_{\max}$ .
2. The working pressure range for all rotary displacement gas meters is atmospheric up to and including 16 bar(g).

Type	number of drums		control-element [m <sup>3</sup> ]
	before the comma	behind the comma	
G10 – G25	6	2	0,002
G40 – G400	7	1	0,02
G650 – G1000	8	0	0,2

**Installation conditions:**

For this rotary meter are no specific installation conditions applicable.