



OIML Member State
The Netherlands

OIML Certificate

Number R137/2012-A-NL1-20.09
Project number 2449796
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Issuing authority

NMi Certin B.V.
Person responsible: M. Boudewijns

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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
18 June 2020

Certification Board

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Identification of the certified type

Diaphragm gas meter

Type: Atmos xxS
(xx is G1.6, G2.5, G4, G6M, WG2.5 or WG6M)

Atmos HP xxA
(xx is G1.6, G2.5, G4, G6M, WG2.5 or WG6M)

Characteristics See page 3

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):

R137-1 (2012) "Gas meters"

Accuracy class 1,5

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

- No. NMI-13200090-04 dated 17 November 2015 that includes 50 pages;
- No. NMI-2403564-02 dated 18 November 2019 that includes 13 pages;
- No. NMI-2449796-02A dated 9 June 2020 that includes 11 pages.

The nature of the previous test data of the above mentioned OIML Basic type evaluation reports satisfies the requirements of the OIML-CS-PD-07 paragraph 6.2, where a positive recommendation is given by the OIML Review Committee on the acceptability of using this data to issue this OIML Certificate R137/2012-A-NL1-20.09 under Scheme A.

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	1,5
Maximum pressure	Atmos xxS: 0,5 bar Atmos HP xxA: 1,5 bar
Ambient temperature range	-25 – +55 °C
Gas temperature range	-25 – +55 °C
Designed for	Condensing humidity
Orientation	Connection ports vertical

Table 2 General characteristics of the family of instruments

Meter size	G1.6	G2.5	G4	WG2.5	G4	G6M	WG6M
Minimum flow rate Q_{\min} (m ³ /h)	0,016	0,025	0,04	0,016	0,04	0,06	0,04
Transitional flow rate Q_t (m ³ /h)	0,25	0,4	0,6	0,2	0,6	1	0,6
Maximum flow rate Q_{\max} (m ³ /h)	2,5	4	6	6	6	10	10
Overload flow rate Q_r (m ³ /h)	3	4,8	7,2	7,2	7,2	12	12
Cyclic volume (dm ³)	1,2			2,0			
Indicating range (m ³)	99999			99999			
Verification scale interval (m ³)	0,0002			0,0002			