



OIML Certificate

OIML Member State
The Netherlands

Number R137/2012-A-NL1-20.08
Project number 2397973
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Issuing authority

NMi Certin B.V.
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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
2 July 2020

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Identification of the certified type

A Diaphragm Gas Meter

Type: NFC card Prepaid smart gas meter;
BKxxZENNER01 NFC
(xx is G1.6/G2.5/G4/G6/WG2.5/WG6M)

Characteristics

See page 3 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

1,5

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-1901517-02 dated 7 August 2018 that includes 34 pages;
- No. NMI-2403564-02 dated 18 November 2019 that includes 13 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 Number R137/2012-A-NL1-20.08 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 / E2		
Accuracy class	1,5		
Maximum pressure	Steel housing:	0,5 bar	
	Aluminium housing:	1,5 bar	
Ambient temperature range	-25 – +55 °C		
Gas temperature range	-25 – +55 °C		
Designed for	Condensing humidity		
Orientation	Connection ports vertical		
Power supply voltage	3,6 V DC battery		
Software identification	Software version	Identification number (checksum)	Modem
	500001	7BF2	GPRS
	500002	C421	
	510001	B72C	NB-IoT
	510002	DE08	
	510003	2F85	

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	0,25	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)	99999,9999				99999,9999		
Verification scale interval (m ³)	0,0001				0,0001		