

OIML Member State
The Netherlands

Number R137/2012-A-NL1-20.10
Project number 2188742
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Issuing authority NMi Certin B.V.
Person responsible: M. Boudewijns

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Identification of the certified type An **Electronic Gas Meter**
Type: x485xxx

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 1,5

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

Certification Board

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

- No. NMI-16200387-02 dated 17 October 2016 that includes 61 pages.
- No. NMI-16200852-01 dated 8 May 2017 that includes 13 pages;
- No. NMI-1901029-02 dated 11 October 2017 that includes 14 pages;
- No. NMI-1901403-02 dated 1 February 2018 that includes 21 pages;
- No. NMI-1902208-02 dated 25 July 2018 that includes 14 pages;
- No. NMI-2268368-02 dated 6 December 2018 that includes 10 pages;
- No. NMI-2327085-02 dated 13 June 2019 that includes 3 pages;
- No. NMI-1902287-02 dated 17 February 2020 that includes 18 pages;
- No. NMI-2188742-02 dated 3 June 2020 that includes 16 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-NL1-20.10 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 of natural gas, type H or L
Environmental classes	M1 / E2
Accuracy class	1.5
Maximum pressure	500 mbar
Ambient temperature range	-25 – +55 °C
Gas temperature range	-25 – +55 °C
Designed for	Condensing humidity
Orientation	Horizontal
Power supply voltage	Battery powered

	Version number	Checksum	Meter size
	EL10	ADB2	G1.6
	EL10	ADB2	G2.5
Software identification	E132 E167 G182 G192 G193 I192 G194 GL01 GL10 EL10 GL20	03EF D029 A1A8 18FB 03B6 8F41 1CCF 5812 8096 ADB2 1B98163C	G4 MMU6
	A132 A167 J182 J192 J193 L192 J194 JL01 JL10	CA53 7199 BDC1 3484 4586 D8DD 5FFA B0DE 7EEA	G6
	B166 B183 B192 B194 BL01 BL10	6CA4 82D8 B8EF 22FA BD57 4175	G10 MMU16
	F154 F166 C182 C192 C194 CL01 CL10 CL11	E336 7D4C C9BE BC94 F780 62F5 B51F F7E8	G16 MMU25
	H154 H166 D182 D192 D194 DL01 DL10 DL11	6B95 F29E E589 E889 416D CBFE 38FA 3EF9	G25 MMU40

Metrology processing software	GL30	457E70AC	G4
	JL30	917875FB	G6
Bootloader	O430	375B8BF8	GPRS
	U530	CD16D523	WMBUS

Table 2 General characteristics of the family of instruments

Meter size	G1.6	G2.5	G4 MMU6	G4 ext.	G6	G10 MMU16	G16 MMU25	G25 MMU40
Minimum flow rate Q_{\min} (m ³ /h)	0,016	0,025	0,04	0,016	0,06	0,1	0,16	0,25
Transitional flow rate Q_t (m ³ /h)	0,25	0,4	0,6	0,25	1	1,6	2,5	4
Maximum flow rate Q_{\max} (m ³ /h)	2,5	4	6	6	10	16	25	40
Overload flow rate Q_r (m ³ /h)	3	4,8	7,2	7,2	12	19,2	30	48
Indicating range (m ³)	99999 or 999999					999999		
Verification scale interval (m ³)	0,001					0,001		
Nominal diameter [mm]	32					50	65	