OIML Certificate

OIML Member State
The Netherlands

Number R137/2012-A-NL1-20.12 revision 3
Project number 3569999
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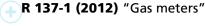|	
Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant and Manufacturer	Goldcard Smart Group Co., Ltd. No. 158 Jinqiao Street Qiantang District Hangzhou Zhejiang 310018 P.R. China
Identification of the certified type	A **diaphragm gas meter** Type: JGD1.6S-M, JGD2.5S-M, JGD4S-M
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.

This certificate and supporting reports comply with the requirements of OIML-CS-PD-07 clause 6.2.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Type Evaluation Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority	**NMi Certin B.V., OIML Issuing Authority NL1** 24 February 2023 Certification Board

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The conformity was established by the results of tests and examinations provided in the associated reports:

- No. NMi-13200090-04 dated 17 November 2015 that includes 50 pages;
- No. NMi-2437830-01 dated 19 June 2020 that includes 41 pages;
- No. NMi-2502596-01 dated 16 April 2021 that includes 18 pages;
- No. NMi-2596227-01 dated 4 June 2021 that includes 16 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 / E2
Accuracy class	1,5
Maximum pressure	0,5 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
Software identification	Version number: 01902506

Table 2 General characteristics of the family of instruments

Meter size	1,6	2,5	2,5	4	4	4
Minimum flow rate Q_{min} (m^3/h)	0,016	0,016	0,025	0,016	0,025	0,04
Transitional flow rate Q_t (m^3/h)	0,25	0,25	0,4	0,25	0,4	0,6
Maximum flow rate Q_{max} (m^3/h)	2,5	4	4	6	6	6
Overload flow rate Q_r (m^3/h)	3	4,8	4,8	7,2	7,2	7,2
Indicating range (m^3)	9999999,9999					
Verification scale interval (m^3)	0,0001					

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Certificate history:
This revision replaces the previous version.

Revision	Date	Description of the modification
Initial	13 July 2020	-
1	19 April 2021	Addition of models with Sigfox, GPRS and NB-IoT communication modules.
2	7 June 2021	Addition of NFC functionality.
3	24 February 2023	Address change