OIML Certificate

OIML Member State
The Netherlands

Number R137/2012-A-NL1-23.05 revision 0
Project number 3636093

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant and Manufacturer	SCG Grid Co., Ltd. 145B-6L, 28-22, NAM DONGDONG-RO 33 BEON-GILL, NAMDONG-GU INCHEON, South-Korea
Identification of the certified type	A **diaphragm gas meter** Type: G1.6R, G2.5R, G4.0R, G6.0R
Characteristics	See following page(s)

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**
30 June 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-1902617-01 dated 6 June 2019 that includes 45 pages;
- No. NMi-2381532-01 dated 16 December 2019 that includes 15 pages.

Characteristics of the measuring instrument
In Table 1 the general characteristics of the measuring instrument are presented.
In Table 2 the characteristics of the family of instruments are presented.
The construction of the measuring instrument is recorded in the NMi technical file.

Table 1 General characteristics

Maximum pressure	0.5 bar
Environmental classes	M1 / E1
Accuracy class	1,5
Ambient temperature range	-10 °C / +55 °C
Gas temperature range	-10 °C / +55 °C
Orientation	Connection ports vertical
Designed for	Condensing humidity
Intended for the measurement of	Gas volume

Table 2 General characteristics of the family of instruments

Meter size	G1.6	G2.5	G4	G6
Minimum flow rate Q_{min} (m^3/h)	0,016	0,025	0,04	0,06
Transitional flow rate Q_t (m^3/h)	0,25	0,4	0,6	1
Maximum flow rate Q_{max} (m^3/h)	2,5	4	6	10
Overload flow rate Q_r (m^3/h)	3	4,8	7,2	12
Cyclic volume (dm^3)	0,5	1	1,2	2,5
Indicating range (m^3)	99999	99999	99999	99999
Verification scale interval (m^3)	0,0002	0,0002	0,0002	0,0002

Revision history

Revision	Date	Description of the modification
Initial	30 June 2023	Initial issue