OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R137/2012-NL1-15.05
Project number 14200731

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant and manufacturer	GFO Europe B.V. Magnesiumstraat 14 6031 RV Nederweert The Netherlands
Identification of the certified type	A **rotary displacement gas meter** Type: GFO-RM
Characteristics	See page 2 and 3

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

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.

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**
10 June 2015

C. Oosterman
Head Certification Board

NMi Certin B.V.
Hugo de Grootplein 1
3314 EG Dordrecht
the Netherlands
T +31 78 6332332
certin@nmi.nl
www.nmi.nl

INSPECTION RvA I 122

OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R137/2012-NL1-15.05
Project number 14200731

The conformity was established by the results of tests and examinations provided in the associated OIML Type Evaluation Reports:

- No. NMi-14200731-02 dated 4 June 2015 that includes 19 pages.
- No. NMi-SO14200462-02 dated 20 February 2014 that includes 13 pages.
- No. NMi-12200078-01 dated 29 May 2012 that includes 51 pages.
- No. NMi-10200626-02 dated 12 October 2011 that includes 50 pages.

Characteristics of the gas meter:
Table 1 gives the general characteristics of the meter type. Table 2 and 3 specify in detail the essential characteristics and verification scale interval.

Table 1: General characteristics

Destined for the measurement of	Gas volume
Mechanical class	M2
Electromagnetic class	Not applicable (the meter has no electronics)
Ambient temperature range	-25 °C / +55 °C
Gas temperature range	-25 °C / +55 °C
Designed for humidity conditions	Not applicable (the meter has no electronics)
Orientation	Horizontal, vertical up and vertical down (all orientations)
Flow direction	Uni-directional (indicated with arrow)
Power supply voltage	Not applicable
Software identification	Not applicable

OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R137/2012-NL1-15.05
Project number 14200731

Table 2: Essential characteristics					
Cyclic volume [dm^3]	Type	Qmax [m^3/h]	Qt [m^3/h]	Qmin [m^3/h]	Nominal diameter [mm]
0,26	G10	16	1,25	0,5	40
	G16	25	1,25	0,5	40
	G25	40	2	0,5	40
0,69	G16	25	1,25	0,5	40 / 50
	G25	40	2	0,5	40 / 50
	G40	65	3,25	0,5	40 / 50
	G65	100	5	0,5	40 / 50
1,11	G40	65	3,25	0,8	50 / 80
	G65	100	5	0,8	50 / 80
	G100	160	8	0,8	50 / 80
2,31	G65	100	12,5	1,25	80 / 100
	G100	160	12,5	1,25	80 / 100
	G160	250	12,5	1,25	80 / 100
2,98	G100	160	8	2	80 / 100
	G160	250	12,5	2	80 / 100
	G250	400	20	2	80 / 100
3,88 [1)]	G250S	400	20	3,25	100 / 150
	G400S	650	32,5	3,25	100 / 150
5,97 [1)]	G400S	650	32,5	5	150
	G650S	1000	50	5	150

Remarks regarding table 2:
1. Twin rotor version named “G...S”.
2. The overload flow rate (Q_r) for all rotary meters is equal to $1,2 \cdot Q_{max}$.
3. The working pressure range for all rotary displacement gas meters is atmospheric up to and including 20 bar(g).

Table 3: Verification scale interval			
Type	number of drums		control-element
	before the comma	behind the comma	[m3]
G10 – G65	6	2	0,002
G100 – G650	7	1	0,02

Installation conditions:
The meter can be installed in horizontal, vertical up and vertical down position. Regarding flow disturbance there are no specific installation requirements.