OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R137/2012-NL1-16.19 revision 1
Project number 16200669

Issuing authority Person responsible:	NMi Certin B.V. C. Oosterman
Applicant and Manufacturer	Elektrometal SA 71 Stawowa Str. 43-400 Cieszyn Poland
Identification of the certified type	A **diaphragm gas meter** Type: EM-G1.6, EM-G2.5 and EM-G4
Characteristics	See page 2 and further

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.

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**
31 January 2017

C. Oosterman
Head 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-16200669-03R1 dated 31 January 2017 that includes 42 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.
The construction of the measuring instrument is recorded in the Documentation folder no. T10135-3.

Table 1 General characteristics

Destined for the measurement of	Gas volume
Environmental classes	M1
Accuracy class	1,5
Maximum pressure	0,5 bar
Ambient temperature range	-10 – +40 °C
Gas temperature range	-10 – +40 °C
Designed for	Non condensing humidity
Orientation	Horizontal

Table 2 General characteristics of the family of instruments

Meter size	**EM-G1.6**	**EM-G2.5**	**EM-G4**
Minimum flow rate Q_{min} (m^3/h)	0,016	0,025	0,04
Transitional flow rate Q_t (m^3/h)	0,25	0,4	0,6
Maximum flow rate Q_{max} (m^3/h)	2,5	4	6
Overload flow rate Q_r (m^3/h)	3	4,8	7,2
Minimum working pressure p_{min} (bar a)	0	0	0
Maximum working pressure p_{max} (bar a)	0,5	0,5	0,5
Indicating range (m^3)	99999	99999	99999
Verification scale interval (m^3)	0,0002	0,0002	0,0002

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Certificate history:
This revision replaces the previous version.

Revision	Date	Description of the modification
Initial	22 December 2016	-
1	31 January 2017	Editorial changes in certificate and associated report