

OIML Member State
The Netherlands

Number R137/2012-NL1-16.17
Project number 16200669
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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.

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Issuing Authority: **NMi Certin B.V., OIML Issuing Authority NL1**
9 December 2016


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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-16200669-01 dated 29 November 2016 that includes 36 pages;
- No. NMI-16200669-02 dated 9 December 2016 that includes 29 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)	0,0001	0,0001	0,0001