

**OIML Member State**  
The Netherlands

Number R137/2012-NL1-16.19  
Project number 16200669  
Page 1 of 2

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**  
22 December 2016



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

This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at [www.oiml.org](http://www.oiml.org)



**OIML Member State**  
The Netherlands

Number R137/2012-NL1-16.19  
Project number 16200669  
Page 2 of 2

The conformity was established by the results of tests and examinations provided in the associated report(s):

- No. NMI-16200669-03 dated 22 December 2016 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 <sup>3</sup> /h)	0,016	0,025	0,04
Transitional flow rate $Q_t$ (m <sup>3</sup> /h)	0,25	0,4	0,6
Maximum flow rate $Q_{\max}$ (m <sup>3</sup> /h)	2,5	4	6
Overload flow rate $Q_r$ (m <sup>3</sup> /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 <sup>3</sup> )	99999	99999	99999
Verification scale interval (m <sup>3</sup> )	0,0001	0,0001	0,0001