OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R 137/2012-NL1-16.06
Project number SO16202435

Issuing authority Person responsible:	NMi Certin B.V. C. Oosterman
Applicant and Manufacturer	Pietro Fiorentini S.p.A. Via E. Fermi 8/10, 36057 – Arcugnano (VI), Italy
Identification of the certified type	A **Diaphragm Gas Meter** Type: RS / 2001 LA (steel housing) RS / 2001 AL (aluminium housing) RS / 2,4 (steel housing) RSV / 2001 LA (steel housing) RSV / 2,4 (steel housing) RSE / 2001 LA (steel housing) RSE / 2,4 (steel housing) Trademark: Pietro Fiorentini, Samgas
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 or 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**
19 July 2016

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. CVN-804854-01 dated 6 March 2008 that includes 17 pages;
- No. CVN-804854-02 dated 9 March 2009 that includes 17 pages;
- No. CVN-10200292-01 dated 1 June 2010 that includes 7 pages;
- No. NMi-12200192-02 dated 30 January 2013 that includes 11 pages;
- No. NMi-13200382-01 dated 17 September 2013 that includes 15 pages;
- No. NMi-14200283-01 dated 18 June 2014 that includes 13 pages;
- No. NMi-15200473-01 dated 2 October 2015 that includes 8 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. T10683-4.

Table 1 General characteristics

Destined for the measurement of	Gas volume
Environmental classes	M1 / E2
Accuracy class	1.5 1.5 or 1 (types RSE / 2001 LA and RSE / 2,4)
Maximum pressure	0,5 bar 1,6 bar (type RS / 2001 AL)
Ambient temperature range	-25 – +55 °C
Gas temperature range	-25 – +55 °C
Designed for	Condensing humidity
Orientation	Horizontal
Power supply voltage	Internal battery (types RSV / 2001 LA, RSV / 2,4, RSE / 2001 LA and RSE / 2,4)

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	Firmware version	Checksum	Remarks
Software identification	0103	ADC4	169 MHz version
		0F26	868 MHz version
		596A	GSM version
	0105	C599	169 MHz OPTO version
		7B69	GSM version OPTO version
	0106	FF87	169 MHz OPTO version
		2617	GSM version OPTO version
	0107	dbCF	169 MHz OPTO version
		0Fd1	GSM version OPTO version
	0109	9452	169 MHz OPTO version
		9E6A	GSM version OPTO version
	0110	5785	169 MHz OPTO version
		33CF	GSM version OPTO version

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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
Indicating range (m^3)	99999	99999	99999	99999
Verification scale interval (m^3)	0,0002	0,0002	0,0002	0,0002