



OIML Certificate

OIML Member State
The Netherlands

Number R139/2018-A-NL1-22.02 revision 0
Project number 2665464
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Issuing authority
Person responsible: NMi Certin B.V.
M.Ph.D. Schmidt

Applicant and
Manufacturer Endress+Hauser Flowtec AG
Kägenstrasse 7
4153 Reinach
Switzerland

Identification of the
A **measuring device** (Coriolis), for the measurement of Compressed Natural Gas (CNG)
certified type
Type: CNGmass

Characteristics See page 2 and further

This OIML Certificate is issued under scheme A.

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 139-1 (2018) "Compressed gaseous fuel measuring systems for vehicles"

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.

This certificate and supporting reports comply with the requirements of OIML-CS-PD-07 clause 6.2.

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**
5 April 2022

Certification Board

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The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org

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The conformity was established by the results of tests and examinations provided in the associated reports:

- CPC-607296-1a, dated 7 February 2007 that includes 72 pages.
- CPC-10200012-02a, dated 8 February 2010 that includes 23 pages.
- NMI-16200831-01, dated 7 July 2017 that includes 41 pages.
- NMI-16200831-02, dated 19 July 2017 that includes 17 pages.
- NMI-2665464-01, dated 5 April 2022 that includes 22 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 number TC10997-1.

Table 1 General characteristics

Minimum – maximum flow rate	See table below
Minimum measured quantity	See table below
Maximum pressure	350 bar(g)
Environmental classes	M2 / E2
Ambient temperature range	-40 – +55 °C; non-condensing humidity
Product temperature range	-50 – +125 °C
Intended for the measurement of	Compressed Natural Gas (CNG)
Power supply voltage	20 ... 28 V AC; 50/60 Hz 10 ... 30 V DC
Software identification	Version number: 1.01.00. Checksum: 0X13BD2D46

Table 2 General characteristics of the family of instruments

Meter size	DN08	DN15	DN25
Minimum flow rate [kg/min]	0,3	0,8	1,5
Maximum flow rate [kg/min]	30	80	150
MMQ [kg]	1	1	1
Maximum pressure [bar(g)]	350	350	350
Diameter in/outlet [mm]	8	15	25



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Certificate history:

This revision replaces the previous version.

Revision	Date	Description of the modification
Initial	5 April 2022	-