

OIML Member State
The Netherlands

Number R139/2018-A-NL1-21.03
Project number 2433143
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Issuing authority
Person responsible: NMi Certin B.V.
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Applicant and
Manufacturer Emerson Process Management Flow B.V.
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The Netherlands

Identification of the
certified type **A measurement sensor** (Coriolis sensor)
Type: HPC015

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 2 or 4

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
18 June 2021

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-2433143-01 dated 3 June 2021 that includes 56 pages.
- NMI reports only for scheme A or follow OIML-CS-PD-07 paragraph 6.2

Characteristics of the measurement sensor

In Table 1 the general characteristics of the measurement sensor are presented. The construction of the measurement sensor is recorded in the Documentation folder no. T11942-1. The measurement sensor must be used in combination with a flow transmitters covered with Evaluation Certificate TC7057 and or TC8519.

Table 1 General characteristics

Minimum – maximum flow rate	0,1 – 4,0 kg/min; uni-directional
Minimum measured quantity	0,2 kg
Maximum pressure	1060 bar
Accuracy class	2 or 4 (Depending on measuring system accuracy class)
Environmental classes	M1 / E2
Ambient temperature range	-40 – +55 °C; non condensing humidity
Product temperature range	-40 – +40 °C
Intended for the measurement of	Compressed gases including Hydrogen
Power supply voltage	230 V AC; 50/60 Hz or 24 V DC

Table 2 General characteristics of the family of instruments

Sensor type	HPC015
Minimum flow rate [kg/min]	0,1
Maximum flow rate [kg/min]	4,0
MMQ [kg]	0,2
Maximum pressure [bar(g)]	1060
Diameter in/outlet [mm]	15



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Revision	Date	Description of the modification
Initial	18 June 2021	Initial approval