

OIML Member State
The Netherlands

Number R139/2018-A-NL1-22.04 revision 0
Project number 2827067
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Issuing authority
Person responsible: NMi Certin B.V.
M.Ph.D. Schmidt

Applicant and
Manufacturer Rheonik Messtechnik GmbH
Rudolf Diesel Strasse 5
85235 Odelzhausen
Germany

Identification of the
certified type A **measurement transducer** (mass flow transmitter for Rheonik Coriolis
sensors) intended to be used as a part of a CG dispenser.
Type: RHE42; RHE45

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 / 2 / 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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OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of
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Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
18 May 2022

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-2438559-01 dated 29 April 2022 that includes 122 pages.
- No. NMI-2827067-01 dated 18 May 2022 that includes 24 pages.

Characteristics of the measuring instrument

In Table 1 the general characteristics of the measuring instrument are presented. The construction of the measuring instrument is recorded in the Documentation folder number TC12112-1.

Table 1 General characteristics

Accuracy class	1,5; 2; 4	
Environmental classes	M3 / E2 / H3 when powered via 100...240 VAC M3 / E3 / H3 when powered via a DC power supply.	
Ambient temperature range	-40 – +55 °C for RHE42 and RHE45 -25 – +55 °C for RHE42 if the display is primary indication	
Intended for the measurement of	Compressed gaseous fuels	
Power supply voltage *)	12-24 V DC ±10%	
Software identification	Version number	Checksum
	2.31	0x81F7
	2.32	0xA3B4
	2.40	0x4D90
	2.46	0x8D95

*) The flow transmitter needs to be powered by one of the following external power supplies:

- Brand Phoenix Contact Step, type PS/1AC/24DC/0.5. Input voltage 100 ... 240 VAC, 50 ... 60 Hz.
- Brand Pulse, type ML15.241. Input voltage 100 ... 240 VAC, 50 ... 60 Hz.
- Brand Pulse, type CD5.241. Input voltage 24 VDC -25% / +35%.

Certificate history:

This revision replaces the previous version.

Revision	Date	Description of the modification
Initial	18 May 2022	First issue.