

OIML Member State
The Netherlands

Number R139/2018-A-NL1-22.07 revision 1
Project number 3961338
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Issuing authority NMI Certin B.V.
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Applicant and Manufacturer Cetil Dispensing Technology, S.L.
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Identification of the certified type A **compressed gas (CG) dispenser** for hydrogen
Manufacturers mark: Cetil
Type: E30 H2

Characteristics See following page(s)

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: 2018 "Compressed gaseous fuel measuring systems for vehicles"

Accuracy class 2

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**
6 February 2026

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-2546086-01 dated 5 August 2022 that includes 28 pages.
- No. NMI-3961338-01 dated 6 February 2026 that includes 15 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 no. T9010-1.

Table 1 General characteristics

Accuracy class	2
Minimum – maximum flow rate	Depending on the flow sensor used, see the relevant OIML certificate
Ratio Q_{max}/Q_{min}	≥ 10
Minimum measured quantity	1 kg
Maximum pressure	Depending on the flow sensor used, see the relevant OIML certificate.
Environmental classes	Depending on the parts used, see the relevant OIML certificates.
Ambient temperature range	Depending on the parts used, see the relevant OIML certificates.
Product temperature range	Depending on the flow sensor used, see the relevant OIML certificate.
Intended for the measurement of	Hydrogen (H ₂)

Each CG dispenser consists at least of one measuring system made up of the following essential parts:

- A flow meter (measurement sensor and transducer); and
- A calculating/indicating device.

The same housing of the dispenser can comprise of one or more measuring systems. When more than one measuring systems are in one housing, one calculating/indicating device may be a common part of the measuring systems.

To correct the amount of hydrogen delivered, the electronic calculating and indicating device takes into consideration that the dispenser is an empty hose measuring system and also the pressure, temperature and volume of relevant sections of the dispenser. Pressure and temperature of relevant sections are measured via transmitters, and the volume is configured in the calculating/indicating device. The monitorization of the pressure and temperature allows stopping or even not starting a delivery if out of range values according to the fuelling protocol are measured and this also guarantees the integrity of the measurement.

In Table 2 the overview of the essential parts of the measuring instrument are presented.

Table 2 Overview parts of the measuring instrument

Part	Producer	Type	OIML certificate	OIML Reports	Remarks
Measurement sensor	Emerson Process Management Flow B.V.	HPC0xx	R139/2018-A-NL1-21.03	-	With MVD electronics as mentioned in the OIML certificate.
Measurement sensor	Rheonik	RHM04 or RHM10	R139-2018-A-NL1-22-01	-	To be used with Rheonik transducer.
Measurement transducer	Rheonik	RHE42 or RHE45	R139-2018-A-NL1-22.04	-	To be used with Rheonik sensor.
Calculating / indicating device	Cetil	EAS2	-	See Table 4	-

Table 3 General characteristics of the calculating/indicating device type EAS2

Producer	Cetil
Type	EAS2
Documentation folder	TC8491-3
Reports	- No. NMI-15200617-01 dated 14 April 2016 that includes 85 pages. - No. NMI-15200617-02 dated 14 April 2016 that includes 20 pages. - No. NMI-15200617-04 dated 14 April 2016 that includes 34 pages.
Maximum volume indication	8 positions 99999999
Maximum unit price	8 positions 99999999
Maximum price to pay	8 positions 99999999
Environmental classes	M3 / E2 / H3
Ambient temperature range	-40 °C / +55 °C
Software identification	See below table
Power supply voltage	230 AC; 50 Hz

The validated software versions and checksums are:

Software version	Checksum for module			
	MCON	MVIS	MEES	M420
02-00	64465ED1	9119A678	458C8115	7305BF75
02-05	E975D8D1	7ABE6DD0	B0D24741	1D19E9B9



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Certificate history:

This revision replaces the previous version.

Revision	Date	Description of the modification
0	5 October 2022	Initial revision
1	6 February 2026	Addition of test data and update to new template