



OIML Member State The Netherlands



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Issuing authority Person responsible: NMi Certin B.V. M. Boudewijns



Applicant and Manufacturer

Houpu Clean Energy Co., Ltd. No. 555, Kanglong Road

Gaoxin District Chengdu, Sichuan

P.R. China

Identification of the certified type

A compressed gas (CG) dispenser for CNG

Type: HP-JQJ-I(II)

Characteristics

See page 2 and further

This OIML Certificate is issued under scheme B

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"

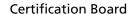
Accuracy class 1,5

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.

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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1 18 August 2020



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The conformity was established by the results of tests and examinations provided in the associated report(s):



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. NMi-2459113-01-1.

Table 1 General characteristics

Minimum – maximum flow rate	1 – 30 kg/min with E+H measurement transducer 1,3 – 30 kg/min with Emerson measurement transducer
Minimum measured quantity	2 kg
Maximum pressure of the gas	20 MPa
Maximum storage pressure	25 MPa
Accuracy class	1.5
Environmental classes	M1
Ambient temperature range	-25 – +55 °C
Product temperature range	-25 – +55 °C
Intended for the measurement of	Compressed Natural Gas (CNG)
Power supply voltage	185 – 245 V AC; 50 Hz

Each measuring instrument consists at least of:

- One measurement transducer (meter);
- One calculating/indicating device (calculator).



The characteristics of the mentioned parts of the dispenser are presented at table 2 and higher.









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Parts of the measuring instrument



The conformity of the following parts was established by the results of tests and examinations provided in the associated report(s):

Part: <u>Measurement transducer</u>
Producer: <u>Endress+Hauser Flowtec AG.</u>

Type: CNGmass Documentation folder: TC10997-1

Reports: No. CPC-10200012-2, No. NMi-16200831-01 and No. NMi-16200831-02

Table 2 General characteristics of the measurement transducer type CNGmass

Minimum – maximum flow rate	0,3 – 30 kg/min (size DN08) 0,8 – 80 kg/min (size DN15)
MMQ	1 kg
Maximum pressure	350 bar
Intended for the measurement of	Compressed Natural Gas (CNG)
Software identification	Version number: 1.01.00 Checksum: 0x13BD2D46

Part: <u>Measurement transducer</u>

Producer: Emerson Process Management Flow B.V.

Type: CNG 050 Documentation folder: TC11012-1

Reports: No. CPC/9200574-2 and No. NMi-1900487-01

Table 3 General characteristics of the measurement transducer type CNG050

Minimum – maximum flow rate	1,3 – 77 kg/min	
MMQ	1 kg	
Maximum pressure	317 or 345 bar(g) (depending on flange type)	
Intended for the measurement of	Compressed Natural Gas (CNG)	
Software identification	Version number: 3.52 Checksum: 3C4A	C





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Part: Calculating/indicating device
Producer: Houpu Clean Energy Co.,Ltd.

Type: HP-JQJ-CS Documentation folder: TC8864-1

Reports: NMi-16200138-01 and NMi-16200138-02

Table 4 General characteristics of the calculating/indicating device type HP-JQJ-CS

Software identification	Version number: Ver3.248ZY Checksum: 3A 04









