



OIML Member State
Czech Republic

OIML Certificate No.
R139/2018-A-CZ1-24.01

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority

Name: Czech Metrology Institute
Address: Okružní 31, 638 00 Brno, Czech Republic

Person responsible: Jan Kalandra

Applicant

Name: CENSTAR SCIENCE & TECHNOLOGY CORP., LTD
Address: No.4, Xuesong Road, Hi-New Technology Industry Development Zone, Zhengzhou City,
Henan Province, China

Manufacturer

Name: CENSTAR SCIENCE & TECHNOLOGY CORP., LTD
Address: No.4, Xuesong Road, Hi-New Technology Industry Development Zone, Zhengzhou City,
Henan Province, China

Identification of the certified type *(the detailed characteristics will be defined in the additional pages)*

CNG dispenser
CSJQD3S, CSJQD1S

Designation of the module *(if applicable)*

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This OIML 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):

OIML R 139

Edition (year): 2018

For accuracy class (if applicable): 1.5



This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

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

- No. 0511-ER-F119-23 dated August 12, 2024 that includes 20 pages.
- Test report No. 6015-PT-P5004-24 dated July 23, 2024 that includes 16 pages including annexes.

The technical documentation relating to the identified type is contained in documentation file:

0511-UL-F119-23

OIML Certificate History

Revision No.	Date	Description of the modification
-	29 August 2024	Issuing certificate

The OIML Issuing Authority
Ing. František Staněk, PhD.
Deputy Head of Certification Body

Date: 29 August 2024



A handwritten signature in blue ink, appearing to be "Staněk", is written over the seal.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is 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.

Measuring system description

The CNG dispensers type CSJQD1S, CSJQD3S are designed to measure, memorise and display the mass of compressed natural gas (CNG) passing through the measurement transducer.

The CNG dispensers contain following models:

- CSJQD1S: 2 filling nozzles, 1 bank;
- CSJQD3S: 2 filling nozzles, 3 banks;

The CNG dispensers type CSJQD1S, CSJQD3S consist of:

- Measurement transducer Micro Motion CNG050;
- Calculating / indicating device Censtar Science & Technology Corp.
 - Motherboard of keyboard
 - Motherboard of calculating device CNG200

All metrological parameters are protected by hardware switch located on calculating device's motherboard. The hardware switch is protected by mechanical seal.

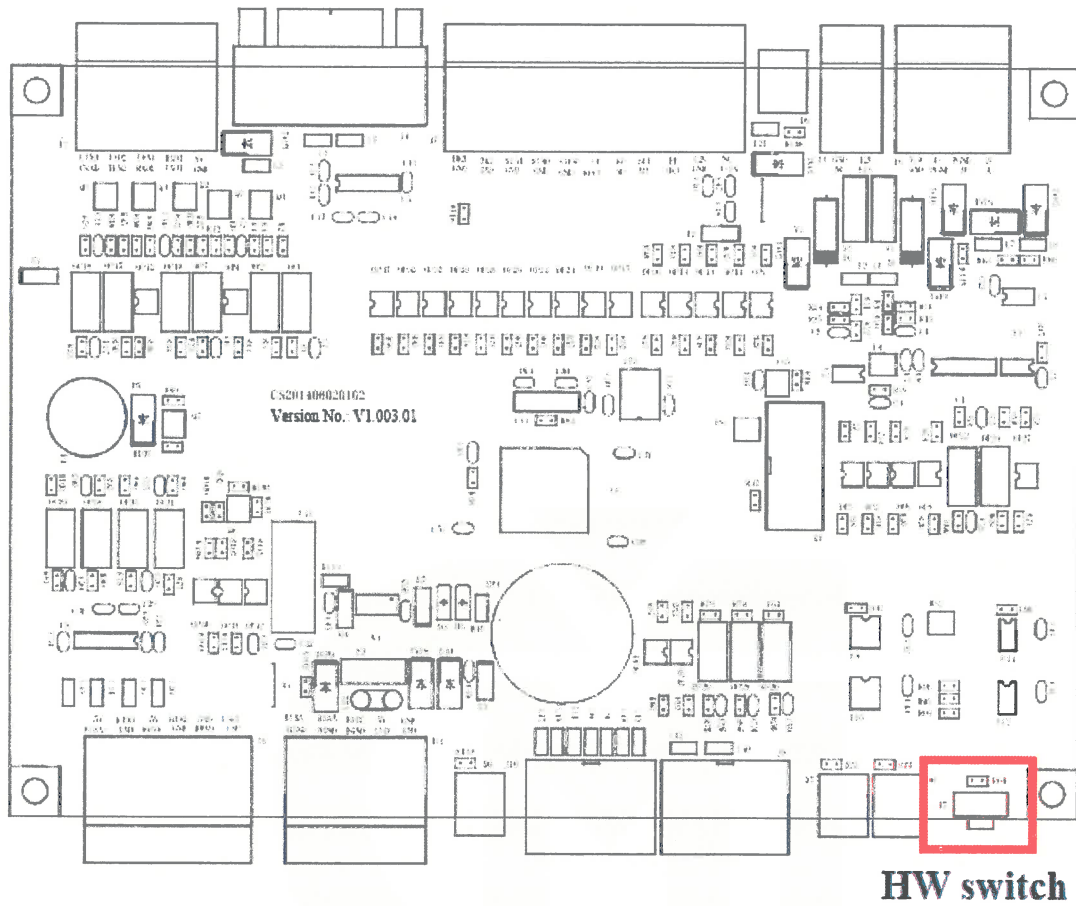
Characteristics

Minimum measured quantity [kg]:	2
Flow rate range [kg/min]:	1.3 – 15
Maximum pressure of the gas P_{max} [MPa]:	25
Maximum storage pressure P_{st} [MPa]:	27
Maximum fast-fill pressure P_v [MPa]:	20
Types of gas or mixtures of gas:	Compressed natural gas
Temperature range of the gas [°C]:	-25 to +55
Ambient temperature range [°C]:	-25 to +55
Environmental classification:	M1
Electrical power supply [V]:	230
Identification of software:	
Calculating device CNG200:	Main-V200
Keyboard:	CNG01-V2.00.1
Measurement transducer:	3.52 / 3C4A

Securing components and verification marks

Recommended sealing points are shown in pictures below.

Figure 1: HW switch protected metrological parameters



Right side = metrological parameters are protected

Figure 2: Sealing the motherboard of calculating device

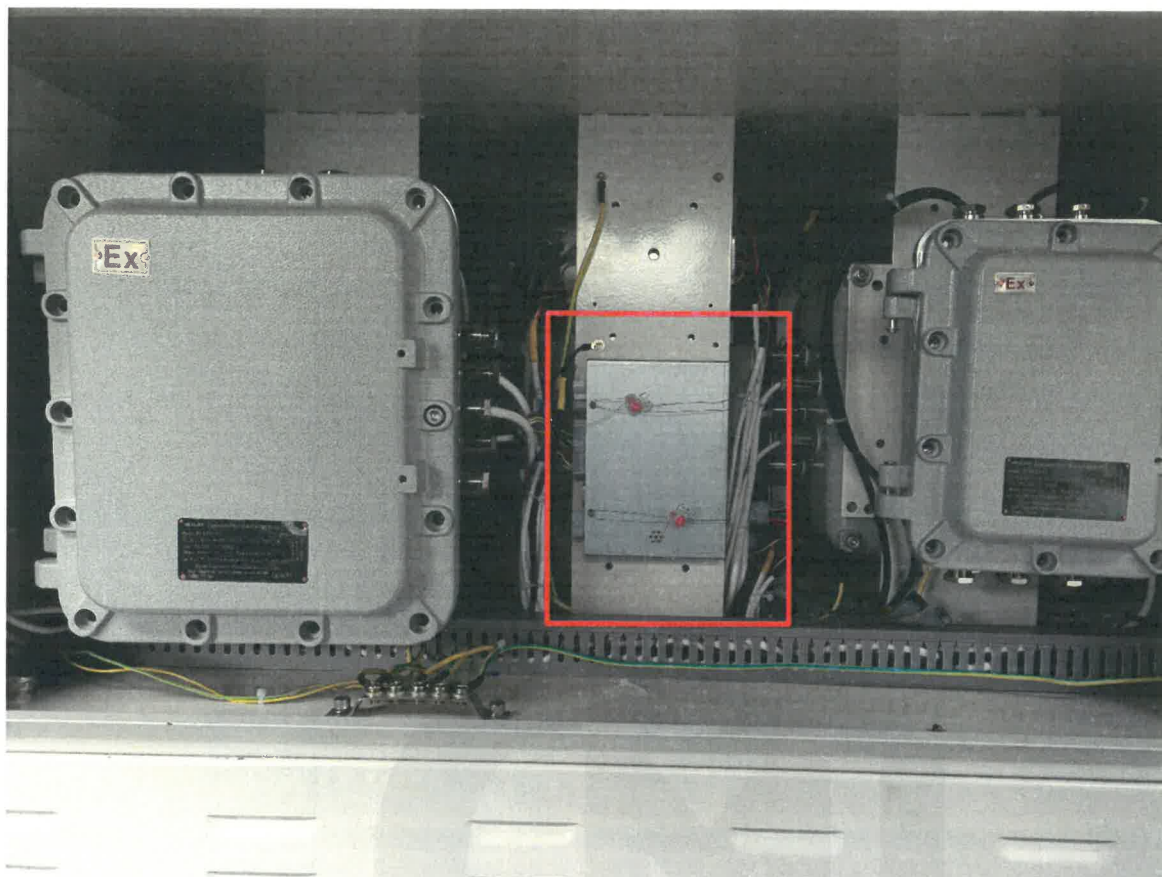


Figure 3: Sealing the MVD Direct Connect Barrier(s) (whole box)

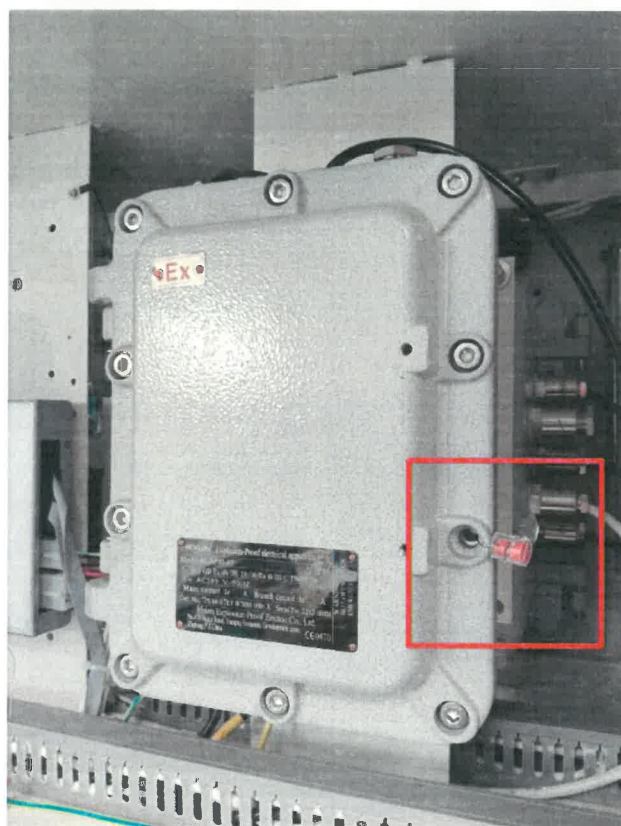


Figure 4: Sealing the measurement transducer(s)

