



1 Type Examination Certificate

2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU

3 Type Examination Certificate Number: **KIWA 19ATEX0026 X Issue: 2**

4 Product: **Hydrogen Dispenser Model C401**

5 Manufacturer: **Fluidwell B.V.**

6 Address: **Voltaweg 23, 5466 AZ Veghel
The Netherlands**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Kiwa Nederland B.V. certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.
The examination and test results are recorded in confidential ATEX Assessment Report No. 190400755.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0 : 2018 EN 60079-7 : 2015 + A1 : 2017

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This Type Examination Certificate relates only to the design of the specified product and not to specific items of equipment subsequently manufactured.

12 The marking of the product shall include the following:



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Ronald Karel
Managing Director

Issue date:

20 January 2020

First issue:

28 May 2019

This certificate shall, as far as applicable, be revised before the date of cessation of presumption of conformity of (one of) the included standards above as communicated in the Official Journal of the European Union.

© Integral publication of this certificate in its entirety and without any change is allowed.

13 SCHEDULE

14 Type Examination Certificate KIWA 19ATEX0026 X

Issue No. 2

15.1 Description of Product

The Hydrogen Dispenser Type C401 is used as indicator and control unit in combination with flowmeter typically for mounting inside a cabinet on a trailer to perform deliveries of Hydrogen.

Ambient temperature range: -25 °C to +55 °C

15.2 Electrical Data

Power supply (terminal P1, P2)
 $U_N = 16 \dots 27 \text{ V}$; Max 2W.

RS-232 communication (terminals C1 – C3)

$U_N = \pm 15 \text{ V}$

RS-485 communication (terminals C4 – C6)

$U_N = 5 \text{ V}$

Second RS-232 communication (terminals C7 – C10)

$U_N = \pm 15 \text{ V}$

15.3 Instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

16 ATEX Assessment Report Number

No. 190400755.

17 Specific Conditions of Use

The Hydrogen Dispenser Type C401 shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1 and shall be installed in an enclosure that provides a minimum ingress protection of IP 54 in accordance with IEC 60079-0.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at section 9.

For this product the standard EN IEC 60079-0 : 2018 is equivalent to the harmonized standard EN 60079-0 : 2012 + A11 : 2013 in terms of safety.

19 Drawings and Documents

As listed in ATEX Assessment Report No. 190400755.

20 Description of Certificate Changes (for Issue 2 and above)

Issue 2, Kiwa reference no. 191100414

- Change of electronics resulting in a change of the electrical data and addition of a second RS-232 communication port.