IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx SEV 16.0002**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 4	Issue 3 (2019-05-16) Issue 2 (2017-04-28) Issue 1 (2017-02-27) Issue 0 (2016-07-04)
Date of Issue:	2021-11-22		

Applicant: **Huba Control AG**
Industriestrasse 17
5436 Würenlos
Switzerland

Equipment: **Pressure transducer Type 711.****0***1*, 711.99***

Optional accessory:

Type of Protection: i

Marking: Ex ia IIC T4 Ga

Approved for issue on behalf of the IECEx Certification Body: **Martin Plüss**

Position: **Manager Product Certification**

Signature: (for printed version)

Date: 2021-11-22

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

Eurofins Electric & Electronic Product Testing AG
Luppmenstrasse 3
8320 FEHRALTORF .
Switzerland

eurofins | E&E

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Manufacturer: **Huba Control AG**
Industriestrasse 17
5436 Würenlos
Switzerland

Additional manufacturing locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

CH/SEV/ExTR16.0002/02

Quality Assessment Report:

CH/SEV/QAR12.0006/06

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Pressure transducer Type 711.****0***1*, 711.99***

The pressure transducer 711 for level sensing consists of an electronic which is embedded and sealed with the ceramic cell in a stainless-steel case. For pressure measurement the hydrostatic pressure (level of liquids) is detected by the measuring cell. For the measurement of relative pressure a pipe in the cable directs the outside air pressure to the sensor.

Due to the use for level measurement in liquids the measuring cell, the case and the cable immerse into the media. The cover protects the pressure measuring cell from mechanical influence. The measurement of pressure is realised with the Wheatstone measuring bridge. A proportional voltage signal in correspondence with the pressure is detected and amplified by the electronic and transformed into a 4-20 mA output signal.

The power for the pressure transducer has to be supplied over a certified intrinsically safe circuit „ia". The wires for power supply, the measuring signal, the potential equalisation conductor (earth wire) of the case and two venting hoses are integrated in the cable. The connection box is an accessory for 711.

Classification of installation and use:	stationary
Ingress protection:	IP68
Rated ambient temperature range (°C):	-10 °C ≤ Tamb ≤ +80 °C

Rating:
For pressure tranducer:
Ui = 30 V
Ii = 100 mA
Pi = 750 mW
Ci = 2 nF + 204 pF/m
Li = 8 µH + 1.48 µH/m

For junction box:
Umax = 30 V
Imax = 200 mA

SPECIFIC CONDITIONS OF USE: NO

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Update to new standard edition IEC 60079-0:2017.
2. The standard IEC 60079-26 is removed from the CoC because the device is not in the scope of this standard.