IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.:	IECEx SEV 16.0007 issue No.:0	Certificate history:
Status:	**Current**	
Date of Issue:	**2016-05-19**	Page 1 of 4

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

Electrical Apparatus: **Pressure transmitter Type 520.*, 522.*, 527.*, 528.***
Optional accessory:

Type of Protection: **Intrinsic Safety "ia"**

Marking: Ex ia IIC T4 Ga/Gb
Ex ia IIIC T125 °C Da/Db

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

Position: Manager Product Certification

Signature:
(for printed version)

Date: 2016-05-19

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 the Official IECEx Website.

Certificate issued by:

Electrosuisse div. Testing and Certification
Luppmenstrasse 1
CH-8320 FEHRALTORF
Switzerland

electro suisse

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

Additional Manufacturing location (s):

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 electrical apparatus 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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2014-10 Edition: 3.0	Explosive atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga

*This Certificate **does not** indicate compliance with electrical 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/ExTR16.0008/00

Quality Assessment Report:

CH/SEV/QAR12.0006/02

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Schedule

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

The pressure transmitter is used to measure relative and absolute pressure of gases, liquids and refrigerants (incl. ammonia). The pressure transmitter differ in the pressure measuring cell and the pressure range. For the measuring of the pressure the signal of a pressure measuring cell made of stainless steel (type 520 / 522) or made of ceramic (type 527 / 528) with a membrane is converted into a 4…20 mA output signal by the electronic.

The pressure transmitter can be installed in the partition which separates the area, which requires apparatus of category 1 from the area, which requires apparatus of category 2. The pressure measuring cell may be used only for flammable substances for which the membranes of cells are sufficiently chemically and corrosion resistant.

Effective internal inductance and capacitance for versions with plugs complying with EN 175301-80 A (IP65) or M12x1 (IP67).

CONDITIONS OF CERTIFICATION: NO

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EQUIPMENT(continued):

Classification of installation and use: stationary
Ingress protection: with Connector EN 175301-803 A = IP65
with Connector M12x1 = IP67

Rated ambient temperature range: -25 °C ... +85 °C
Rated medium temperature range: -30 °C ... +120 °C

Rating:
Power Supply:
Connection to certified intrinsically safe resistive circuits with maximum values:

U_i ≤ 30 VDC
I_i ≤ 100 mA
P_i ≤ 0.75 W

L_i = 0 µH
C_i = 0 nF

Output:
4 ... 20 mA