



(1) **EC-Type Examination Certificate**

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 94/9/EC**
- (3) Examination certificate number: **SEV 10 ATEX 0145**
- (4) Equipment: Pressure transmitter
type 520.*, 522.*, 527.*, 528.*
- (5) Manufacturer: Huba Control AG
- (6) Address: Industriestrasse 17, 5436 Würenlos, SWITZERLAND
- (7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Electrosuisse SEV, notified body No. 1258 in accordance with article 9 of the Council Directive of the European Communities of 23 March 1994 (94/9/EC), certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment or protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The results of the examination are recorded in confidential report no. 10-IK-0307.01
incl. extension 1 + 2
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:
EN 60079-0:12 + A11:13 EN 60079-11:12 EN 60079-26:15
- (10) If the sign «X» is placed after the certificate number, it indicates that the equipment or protective system is subjected to special conditions for safe use specified in the schedule to this certificate.
- (11) This examination certificate relates only to design and construction of the specified equipment in accordance with the directive 94/9/EC. Further requirements of this directive apply to the manufacturing process and the placing on the market of the equipment.
- (12) The marking of the equipment shall include the following:



II 1/2 GD
Ex ia IIC T4 Ga/Gb
Ex ia IIIC T125 °C Da/Db

Electrosuisse
Notified Body ATEX

Martin Plüss
Product Certification



(13)

Appendix

(14)

EC-Type Examination Certificate

(15) Description of the equipment

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).

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:

$U_i \leq 30 \text{ VDC}$
 $I_i \leq 100 \text{ mA}$
 $P_i \leq 0.75 \text{ W}$

$L_i = 0 \text{ } \mu\text{H}$
 $C_i = 0 \text{ nF}$

Output:
4 ... 20 mA

(16) Test Report

10-IK-0307.01 incl. extension 1 + 2

(17) Special conditions for safe use

None

(18) Fundamental essential health and safety requirements

Fulfilled by the standards applied.