



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

(2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**

(3) Certificate number: **SEV 16 ATEX 0145**

(4) Product: Pressure transmitter
Type PT2000, PT1000

(5) Manufacturer: Hans Turck GmbH & Co. KG

(6) Address: Witzlebenstrasse 7, 45472 Mülheim an der Ruhr, GERMANY

(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 17 of Directive 2014/34/EU of the European parliament and of the council, dated 26 February 2014, 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 the Directive.

The examination and test results are recorded in confidential report no 10-IK-0307.50

(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

Except in respect of those requirements listed at item 18 of the schedule.

(10) If the sign «X» is placed after the certificate number, it indicates that the product is subjected to special conditions for safe use specified in the schedule to this certificate.

(11) This EU type examination certificate relates only to design and construction of the specified product. Further requirements of this directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product 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)

EU-Type Examination Certificate no. SEV 16 ATEX 0145

(15) **Description of product**

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 PT2000 or made of ceramic PT1000 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 service temperature range: -30 °C ... +120 °C
for Ex-Components:

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

(16) **Report number**

10-IK-0307.50

(17) **Specific conditions of use**

None

(18) **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
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None	
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(19) **Drawings and Documents**

See test report "Manufacturer's Documents"