



(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 19 ATEX 0129**
- (4) Product: Pressure measurement transducer, Type: PT * - 15** – IX - *
- (5) Manufacturer: Hans Turck GmbH & Co. KG
- (6) Address: Witzlebenstr.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) Eurofins, 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 21CH-00563.X43
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:
EN IEC 60079-0:2018
EN 60079-11:2012
EN 60079-26:2015

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. The sign “U” is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- (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:



Eurofins Electric & Electronic Product Testing AG
Notified Body ATEX

Martin Plüss
Product Certification



(13)

Appendix

(14)

EU-Type Examination Certificate no. SEV 19 ATEX 0129

(15) **Description of product**

The Pressure Measurement Transducer (PMT) is used for industry applications for the measurement of pressure from – 0.3 to +1 bar relative.

Typical applications are machine building, energy management, water supply, chemistry, pharmacy, HVAC.

The measured medium can conform to category 1 G (zone 0). The PMT can fulfil the task of zone separation 1/2 G.

The pressure measurement transducer is based on the following main components:

- Process connection in stainless steel
- Case in stainless steel
- Pressure measuring cell in ceramic
- Electronic circuit board in FR4-material / sensor-PCB and EMC-PCB
- Electrical plug connector resp. cable in plastic

Pressure range: -300 ... 0 mbar / 0 ... +50 to 0 ... +1000 mbar relative

Process connections: (outside = outside thread; inside = inside thread)

G1/2" outside, G1/4" inside, G1/4" outside, G1/8" outside, 1/4"-18 NPT outside, R1/4"outside

Further process connection differing to the above mentioned thread diameters in the same material according to ATEX regulations are possible.

Electrical connection:

M12x1, DIN EN 175301-803-A, DIN EN 175301-803-C, cable quick connector, cable quick connector with cable.

The power for the pressure transducer has to be supplied over a certified intrinsically safe circuit „ia“.

Classification of installation and use:

stationary

Ingress protection:

IP65, respective IP67

Rated ambient temperature range (°C):

-25 °C to +85 °C

Rated ambient temperature range (°C) for Ex Components:

N/A

Type key:

Explanation	Example
PT * - 15** – IX - *	
PT = Basic type	
* = Pressure range,	e.g. 0.05R means 0 to 0.05 bar or 5PSIV means -5 to 5 psi
15** = Kind of sealing	e.g. 1504 = External Thread - G1/4", back close DIN 3852 Form E with profile-seal FPM acc. DIN 3869
IX = ATEX version	Output Signal and Supply Voltage 4 ... 20 mA - 10.0 ... 30.0 VDC - 2-wire – ATEX
* = Electrical Connection	e.g. 1143 means Connector M12 x 1 – standard

(16) **Test report no.** 21CH-00563.X43

(17) **Special conditions for safe 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
None	

(19) **Drawings and Documents**

See test report "Manufacturer's Documents"