

(1) EU-Type-Examination Certificate

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**



- (3) **Certificate Number** TÜV CY 25 ATEX 0207485 X
(4) for the equipment: Pressure Transmitters Type TP22, TP25
(5) of the manufacturer: **AEP Transducers S.r.l.**
(6) Address: Via Bottego 33/A
41126 Cognento (MO) - ITALY
Order number: 0207485
Date of issue: 2026-01-21

- (7) The design of this equipment or protective system and any acceptable variation thereto are specified in the schedule to this EU-Type-Examination Certificate and the documents therein referred to.
(8) TÜV CYPRUS Ltd, notified body No. 2261 in accordance with Article 17 of the Council Directive of 2014/34/EU of February 26, 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in the confidential report No. 25 0207485.
(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-11:2012

CEI EN IEC 60079-11:2025

The following were used for reference:

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
(11) This EU-Type-Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment which are not covered by this certificate.
(12) The marking of the equipment or protective system must include the following:



II 1G Ex ia IIC T6...T4 Ga

II 1D Ex ia IIIC T200 76°C... T200 124°C Da

I M1 Ex ia I Ma

Ingress protection:

IP64

TÜV CYPRUS Ltd (TUV NORD Group),

The head of the notified body,

D. Demosthenous



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Cert No. C 004

Certificate Number: TÜV CY 25 ATEX 0207485 X

(13) SCHEDULE

(14) EU-Type-Examination Certificate No. TÜV CY 25 ATEX 0207485 X

(15) Description of equipment

AEP Pressure Transmitters TP22 and TP25 proportionally transforms the measured pressure of a gas or fluid, into a 4+20 mA current loop signal.

The transmitter can handle absolute or relative pressures from 0.1 to 3000 bar depending on the model and is powered and communicates via the two-wire 4-20mA current loop.

It is available in different configurations e.g. with a built-in cable and cable gland, a M12 connector or a DIN EN 175 301-803-A connector.

The sensing head is made with a strain gauge or piezoresistive sensor with different process connections. The transmitter body, head, and cover are made of stainless steel, the electronic board is completely encapsulated, except for the zero and span calibration trimmers on the top of the transmitter and accessible removing the specific cap or the ring nut in case of DIN connector.

Type TP22 is the transmitter with threaded process connections, TP25 is the transmitter with flush diaphragm process connection.

Type TP2_*BLM*_ is specifically designed for mines applications, Group I M1.

Allowable ambient temperature range:

Ambient Temperature	Group II Gas T Class	Group III Dust Temperature T ₂₀₀
-40°C/+57°C	T6	T ₂₀₀ 76°C
-40°C/+82°C	T5	T ₂₀₀ 101°C
-40°C/+105°C	T4	T ₂₀₀ 124°C

Type Key

Type	Description	Operating Temperature
TP22**BLM*S	Transmitter with threaded process connections and electrical connections with integral cable, specifically designed for mines applications	-20°C/+80°C
TP22**BL**S	Transmitter with threaded process connections and electrical connections with connector or integral cable	-20°C/+80°C
TP22**BL**H	Transmitter with threaded process connections and electrical connections with connector or integral cable	-40°C/+105°C
TP25**BLM*S	Transmitter with flush diaphragm process connections and electrical connections with integral cable, specifically designed for mines applications	-20°C/+80°C
TP25**BL**S	Transmitter with flush diaphragm process connections and electrical connections with connector or integral cable	-20°C/+80°C
TP25**BL**H	Transmitter with flush diaphragm process connections and electrical connections with connector or integral cable	-40°C/+105°C

In the complete type denomination, the characters "*" can be replaced by further numbers or letters which characterize different variants without influence on explosion protection.

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Cert No. C 004

Certificate Number: TÜV CY 25 ATEX 0207485 X

Technical data:

Power supply: 4+20 mA Loop powered

Intrinsic Safety Electrical Parameters:

Ui= 28,2 V, Ii=102 mA, Pi= 660 mW, Ci=37 nF, Li negligible

Warning Marking:

Warning - Do not open, calibrate or maintain when an explosive atmosphere is present

Warning - Potential Electrostatic Charging Hazard – see Instructions

(17) Test documents are listed in the test report No. 25 0207485

(18) Special conditions for safe use

1. See safety instruction manual for for Installation, Maintenance and for determination of Group II Gas T Class and Group III Dust Temperature as function of Ambient temperature range.
2. For mining applications (Group I M1), for all types except types TP22**BLM*S and TP25**BLM*S, avoid contact of oils and greases, hydraulic liquids with non-metallic external parts and protect mechanically the equipment against impact.
3. See safety instruction manual for guidance to minimize the risk from electrostatic discharge.

(18) Essential Health and Safety Requirements

This certificate covers only the Essential Health and Safety Requirements related to the Directive 2014/34/EU.

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