[1] # EU-TYPE EXAMINATION CERTIFICATE

[2] **Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**

[3] EU-Type Examination Certificate Number: **UL 26 ATEX 3589X Rev. 0**

[4] Product : **Pressure Transmitters - TX300 Series**

[5] Manufacturer : **United Electric Controls Co.**

[6] Address : **180 Dexter Ave., Watertown, MA 02472 USA**

[7] This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the 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 the confidential report no. **US/UL/ExTR26.0056/00**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018
EN 60079-1:2014
EN 60079-31:2014

EN IEC 60079-0:2018/A11:2024
EN 60079-1:2014/A11:2024

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule

[10] If the sign "**X**" is placed after the certificate number, it indicates that the product is subject to the “Specific Conditions of Use” listed under item 17 of this certificate.

[11] This EU-Type Examination Certificate relates only to the technical design of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by the certificate.

[12] The marking of the product shall include the following (marking is provided in the Schedule as a part of item 15, if applicable):

Ex II 2 G Ex db IIC T5 Gb

Ex II 2 D Ex tb IIIC T90°C Db IP66

Certification Manager
Thomas Wilson

This is to certify that the sample(s) of the Product described herein (“Certified Product”) has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL’s prior written approval.

Date of issue: 2026-06-30

Notified Body UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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Schedule
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[15] Description of Product

The devices are pressure-operated transmitters with a stainless-steel flameproof housing. The electrical wires are permanently mounted by the manufacturer and cannot be replaced. Factory wiring is provided at one end via a glass-to-metal feedthrough. The pressure connection is provided on the opposite end of the devices.

TX300, followed by T, H, D, or P, followed by 03, 04, 05, 06, 07, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, or 27, followed by S, followed by 1 or 8, followed by M or N, may be followed by M276, M277, M278, M438, M439, M444, M446, M460, or M041, and/or other four to five character alphanumeric code or followed by five character/digit alphanumeric customer specification code.

TX300, followed by T, H, D, or P, followed by 03, 04, 05, 06, 07, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, or 25, followed by S, followed by 3, followed by M or N, may be followed by M276, M277, M278, M438, M439, M444, M446, M460, or M041, and/or other four to five character alphanumeric code or followed by five character/digit alphanumeric customer specification code.

TX300, followed by T, H, D, or P, followed by 03, 04, 05, 06, 07, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, or 30, followed by S, followed by 4, 5, A, or B, followed by M or N, may be followed by M276, M277, M278, M438, M439, M444, M446, M460, or M041, and/or other four to five character alphanumeric code or followed by five character/digit alphanumeric customer specification code.

TX300, followed by T, H, D, or P, followed by 03, 04, 05, 06, 07, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, or 26, followed by S, followed by 2, 6, 7, 9, G, H, I, or J, followed by M or N, may be followed by M276, M277, M278, M438, M439, M444, M446, M460, or M041, and/or other four to five character alphanumeric code or followed by five character/digit alphanumeric customer specification code.

TX300, followed by T, H, D, or P, followed by 03, 04, 05, 06, 07, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, or 24, followed by S, followed by C, D, E, or F, followed by M or N, may be followed by M276, M277, M278, M438, M439, M444, M446, M460, or M041, and/or other four to five character alphanumeric code or followed by five character/digit alphanumeric customer specification code.

Nomenclature for TX300 transmitters:

I. Series: TX300

II. Output:
T – 4 to 20mA
H – 4 to 20mA, HART 7.9
D – 1 up to 5 VDC
P – 0 up to 10 VDC

III. Pressure Range:

Absolute:
03 - 0 up to 15 psi
04 - 0 up to 30 psi
05 - 0 up to 50 psi
06 - 0 up to 100 psi
07 - 0 up to 300 psi

Gage:
11 – 0 up to 5 psig
12 – 0 up to 15 psig
13 – 0 up to 30 psig
14 – 0 up to 50 psig
15 – 0 up to 100 psig
16 – 0 up to 300 psig
17 - 0 up to 500 psig
18 - 0 up to 750 psig
19 - 0 up to 1000 psig
20 - 0 up to 1500 psig
21 - 0 up to 2000 psig
22 - 0 up to 2500 psig
23 - 0 up to 3000 psig
24 - 0 up to 5000 psig
25 - 0 up to 7500 psig
26 - 0 to 10000 psig
27 - 0 up to 15000 psig
28 - 0 up to 20000 psig
29 - 0 up to 25000 psig
30 - 0 up to 30000 psig

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IV. Wetted Material:
S – Stainless steel

V. Pressure Connection:
1 - ¼" NPT F (female)
2 - ½" NPT F (female)
3 - ½" NPT M (male) x ¼" NPT F (female)
4 - HF4 ¼" female, high-pressure autoclave
5 - HF6 ⅜" female, high-pressure autoclave
6 - 7/16-20 SAE F (female)
7 - 7/16-20 SAE (male)
8 - ¼ NPT (male)
9 - ½ NPT (male)
A - HM4
B – HM6
C – LM4
D – LM6
E – LF4
F – LF6
G – G ¼ (male)
H – G ½ (male)
I – G ¼ (female)
J – G ½ (female)

VI. Electrical Connection:
M – M20 metric thread
N – 1/2" NPT M (male)

VII. Options:
Four to five character alphanumeric code not affecting electrical ratings or pressure ratings of the device.
M276 – Pressure range markings in bar
M277 – Pressure range markings in kPa/MPa
M278 – Pressure range markings in kg/cm²
M438 – EN 10204 Type 2.1 material compliance
M439 – EN 10204 Type 3.1 material compliance
M444 – Paper ID tag
M446 – Stainless steel ID tag
M460 – External ground screw
M041 – DUAL SEAL

VIII. Customer Specification Number
Five character/digit alphanumeric code indicating pressure range and miscellaneous options; equivalent to a customer specification code.

Temperature range

The relation between ambient temperature and the assigned temperature class is as follows:

Ambient temperature range	**Temperature class**
-40 °C to +85 °C	T5

Electrical data

Input	Output
10-30Vdc, 31mA Class 2 or SELV	Models with suffix D: 1 up to 5VDC Models with suffix P: 0 up to 10VDC Current: 4-20 mA
Alternate input and output ranges may be provided within the ranges specified in the above.	

Routine tests
The gastight welds located between the housing and pressure connection, housing and the conduit connection, must be helium or hydrogen leak tested on 100% of production in accordance with the manufacturer's procedure G-60.

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[16] Descriptive Documents
The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

[17] Specific conditions of use:
- The epoxy resin shall not be subjected to a temperature greater than 93°C.
- Flamepath joints are not intended for repair.

[18] Essential Health and Safety Requirements
The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information
The TX300 has in addition passed the tests for Ingress Protection to IP 66 in accordance with EN60529:1991+A1:2000+A2:2013.

The trademark  will be used as the company identifier on the marking label.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.

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