IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx UL 26.0054X**

Certificate history:

Status: **Current**

Issue No: 0

Date of Issue: 2026-06-30

Applicant: **United Electric Controls Company**
180 Dexter Avenue
Watertown, MA 02472
United States of America

Equipment: **Pressure Transmitter, TX300 Series**

Optional accessory:

Type of Protection: **Flameproof "db", Dust Ignition Protection by Enclosure "tb"**

Marking: Ex db IIC T5 Gb

Ex tb IIIC T90°C Db

-40°C ≤ Tamb ≤ +85°C

Approved for issue on behalf of the IECEx Certification Body: **Lucy Frieders**

Position: **Staff Engineer**

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

UL Solutions (US)
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America

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Certificate No.: **IECEx UL 26.0054X**

Date of issue: 2026-06-30 Issue No: 0

Manufacturer: **United Electric Controls Company**
180 Dexter Avenue
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Manufacturing locations: **United Electric Controls Company**
180 Dexter Avenue
Watertown, MA 02472
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This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

US/UL/ExTR26.0056/00

Quality Assessment Report:

US/UL/QAR07.0002/15

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

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

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The epoxy resin shall not be subjected to a temperature greater than 93°C.
- Flamepath joints are not intended for repair.

Annex:

Annex to IECEx UL 26.0054X Issue 0.pdf

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TYPE DESIGNATION

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:

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 up 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

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.

PARAMETERS RELATING TO THE SAFETY

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.	

Ambient: -40°C to 85°C

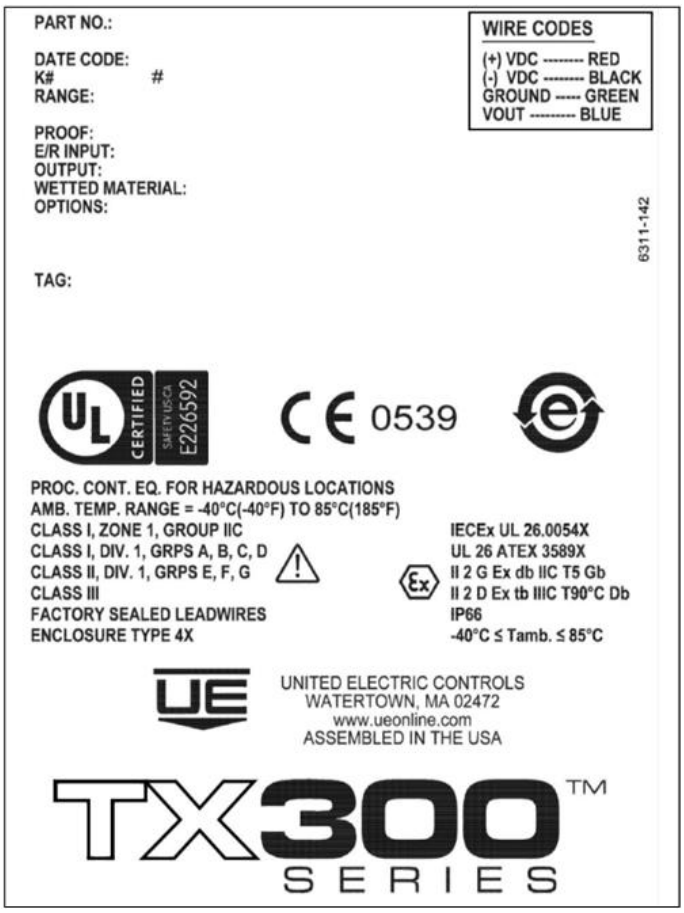
Temperature code T5

Environmental Ratings: Type 4X, IP66

MARKING

Marking has to be readable and indelible; it has to include the following indications:

- “FACTORY SEALED” or similar wording



ROUTINE EXAMINATIONS AND TESTS

Each piece of equipment defined above has to have successfully passed; before delivery:

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