

CERTIFICATE OF CONFORMITY



1. ELECTRICAL EQUIPMENT PER US REQUIREMENTS

2. Certificate No: FM25US0110X

3. Equipment:
(Type Reference and Name) CPT-2x and IPT-2x Pressure Sensor Transmitters

4. Name of Listing Company: WIKA ALEXANDER WIEGAND SE & Co KG

5. Address of Listing Company: Alexander-Wiegand-Straße, 63911 Klingenberg, Germany

6. The examination and test results are recorded in confidential report number:

PR472255 dated 13th April 2026

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM 3810:2005, NEMA 250:2008, ANSI/IEC 60529:2004, ANSI/UL 61010-1:2004, ANSI/ISA 122701:2011

8. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

9. Equipment Ratings:

In type of protection general electrical safety, the CPT-2x and IPT-2x pressure sensor transmitter equipment is certified to the following classification(s):

Suitable electrical equipment for the listings categories with non-flammable process connections for use in ordinary (unclassified) locations with an ambient temperature rating of -50 °C to +70 °C, indoor and outdoor (Type 4X, 6P; IP66, IP68) environments with dual seal process connection.

10. Description of Equipment:

General – The CPT-2x and IPT-2x Pressure Sensor Transmitters are designed for industrial location applications. They are intended to be used as a universal pressure and level measuring transmitters in all liquids, gases, mist and vapours, suitable for absolute and relative pressure applications with process temperatures up to +400 °C and process pressures up to 100MPa (14,500psig). In compact version, remote version or electrical differential pressure

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

04/13/2026

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

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FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA

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version (two pressure sensor transmitters in series combination) they detect a process pressure or differential process pressure and convert it into an electrical output signal.

Construction – The CPT-2x and IPT-2x Pressure Sensor Transmitters consist of one or two encapsulated electronics inserts assembled in a single or double-chambered housing. The housings are constructed out of Stainless Steel, or Aluminium. All versions of the enclosure provide two options for covers: one with a window for the Digital Display and the standard solid cover without a window. The standard enclosure contains a single cover on the top, while the double chamber enclosure contains a cover on the top for the electronics and an additional cover mounted on the front that covers the wiring compartment. The Digital Display internal display and adjustment module can be mounted on the top, as the standard enclosure, or on the front of the double chamber enclosure. All enclosures include either two ½ NPT or two M20 metric threaded entries that allow the equipment to be wired in accordance with applicable installation requirements.

Ratings – The equipment is certified to the following ratings.

The ambient operating temperature range is -50 °C to +70 °C in type of protection general electrical safety, when properly mounted and installed.

The process temperature range of the media is -90 °C to +400 °C, each depending on the process fitting, with a maximum working pressure range of -0.1 to 100 MPa (-14.5 to 14,500 psig) within a maximum measuring range of 250 m.

In type of protection general electrical safety, the CPT-2x and IPT-2x Pressure Sensor Transmitters operate off the following supply values:

Vmax (Ui) = 9.6-35 VDC

Model Codes – See Annex for Model Codes

11. Specific Conditions of Use:

1. The process sensor probes are suitable for non-flammable process connections to ordinary (unclassified) locations only.
2. Dual Seal rating is available only for Housing option type “D” and type “W”.
3. Maximum permissible working pressure is 1,000 bar (14,500 psig).
4. The pressure sensor transmitter shall be installed in such a way that contact between the measuring sensor and the tank wall will be excluded with sufficient safety, considering the tank installations and the flow conditions inside the tank.
5. The maximum permitted ambient temperature of the pressure sensor transmitter is +70 °C. To avoid the effects of process temperatures and other thermal effects, care shall be taken to ensure the surrounding ambient temperature and the ambient temperature inside the equipment enclosure does not exceed +70 °C. Adherence to the manufacturer’s installation manual must be followed for fulfillment of this requirement.

12. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

13. Schedule Drawings

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A copy of the technical documentation has been kept by FM Approvals.

14. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
13 April 2026	Original Issue.



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ANNEX

CPT-2x Pressure Sensor Transmitter

Equipment Ratings:

Type 4X, 6P; IP66, IP68

Description of Equipment:

CPT – 2 6 – 8 9 10 -12 13 14 15 16 – 18 19 – 21 22 23 – 27 28 30 31 32 33 34 – 36 37 38 – 40 41 Pressure Sensor Transmitter

6 = Process connection type: 0, 1

8 = Electrical approval: Z

9 = Ignition protection type: Z

10 = Zone: Z

12 = Housing material: 8, A, D, V, W

13 = Case version: A, D, I, M, N, P, S

14 = Cable material and length: Z, A, G, B, H, C, I

15 = Digital Display: B, C, H, Z

16 = Additional electronics: Z

18 = Output signal: S, H, R, T, A, P, F

19 = Electrical connection: 9, 2, 6, 8, 4, M, D, F, G, H, I, J, K, L, R, 7, 1, P, Q, S, T, U, V, W, 0

21 = Unit: B, P

22 = Pressure type: BA, BG

23 = Measuring range: Three digit variable designating the allowable measurement range of the pressure cell

27 = Process connection form: One digit alphanumeric variable for process connection form

28 = Process connection / wetted parts: Two digit alphanumeric variable for connections, which represents a Thread, TRI-CLAMP, DN or ASME industry type flange with pressure ratings and any type which comply with an international or national standard.

30 = Sealing concept: D, F, S

31 = Process sealing ceramic measuring cell: A, B, C, D, E, F, G, J, K, N, O

32 = Second sealing: Z, A

33 = Wetted part: C, P, S, I, T, K, E, G

34 = Accuracy: 1, H, 3

36 = Certification sterile processes: Z, F, E, 3, H, A

37 = Clean specification: Z, E, A, S, B

38 = Filling of sensor: Z

40 = Certificates/Approvals: Z, 1, 3, 4, 2, A

41 = Additional ordering information: Pos 41 is a possibility for customer to state something special as free text which is not to select in the normal coding. This result in the so called customer solution.

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IPT-2x Pressure Sensor Transmitter

Equipment Ratings:

Type 4X, 6P; IP66, IP68

Description of Equipment:

IPT – 2 6 – 8 9 10 -12 13 14 15 16 – 18 19 – 21 22 23 – 27 28 30 31 32 33 34 – 36 37 38 – 40 41 Pressure Sensor Transmitter

6 = Process connection type: 0, 1

8 = Electrical approval: Z

9 = Ignition protection type: Z

10 = Zone: Z

12 = Housing material: 8, A, D, V, W

13 = Case version: A, D, I, M, N, P, S

14 = Cable material and length: Z, A, G, B, H, C, I

15 = Digital Display: B, C, H, Z

16 = Additional electronics: Z

18 = Output signal: S, H, R, T, A, P, F

19 = Electrical connection: 9, 2, 6, 8, 4, M, D, F, G, H, I, J, K, L, R, 7, 1, P, Q, S, T, U, V, W, 0

21 = Unit: B, P

22 = Pressure type: BA, BG

23 = Measuring range: Three digit variable designating the allowable measurement range of the pressure cell

27 = Process connection form: One digit alphanumeric variable for process connection form

28 = Process connection / wetted parts: Two digit alphanumeric variable for connections, which represents a Thread, TRI-CLAMP, DN or ASME industry type flange with pressure ratings and any type which comply with an international or national standard

31 = Sealing: Y, J, K, P, 5, D, A, C, Q, F, O, H, T

32 = Second sealing: Z

33 = Wetted part: One digit alphanumeric variable for material of the wetted parts

34 = Accuracy: M, 1, 3

36 = Certification sterile processes: Z, F, E, 3, H, A

37 = Clean specification: Z, E, A, S, B

38 = Filling of sensor: Z, S, N, E, L

40 = Certificates/Approvals: Z, 1, 3, 4, 2, A

41 = Additional ordering information: Free Text. Options not affecting safety

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