CERTIFICATE OF CONFORMITY

FM Approvals

1. **HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**

2. **Certificate No:** **FM16CA0005X**

3. **Equipment:**
   (Type Reference and Name) **FT Series Thermal Mass Gas Flow Meter and Temperature Transmitter**

4. **Name of Listing Company:** **Fox Thermal Instruments Inc**

5. **Address of Listing Company:** **399 Reservation Rd, Marina, California 93933, United States of America**

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

   3052981 dated 9th March 2016

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

   CSA C22.2 No. 0.4:2017 (R2022), CSA C22.2 No. 0.5:2016 (R2020), CSA C22.2 No. 25:1966 (R2014), CSA C22.2 No. 30:1986 (R2016), CSA C22.2 No. 94:1991 (R2011), CSA C22.2 No. 60079-0:2015, CSA C22.2 No. 60079-1:2011, CSA C22.2 No. 60529:R2021, CSA C22.2 No. 61010-1-12 (R2023)

8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.

9. 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.

10. Equipment Ratings:

    Explosionproof for Class I, Division 1, Groups B, C and D; Dust-ignitionproof for Class II, Division 1, Groups E, F and G, Class III, Division 1; Flameproof for Class I, Zone 1, Ex db IIB+H2 T4 Gb hazardous locations, indoors and outdoors (Type 4X, IP66/67) with an ambient temperature rating of -40°C to +70°C.

Certificate issued by:

J.E. Marquedant

J.E. Marquedant
VP, Manager - Electrical Systems

05/26/2026

Date

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

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. 1165 Boston-Providence Turnpike, Norwood, MA 02062 USA
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11. The marking of the equipment shall include:

    Class I Division 1, Groups B, C, D; T4 Ta = -40°C to +70°C; Type 4X, IP66/67

    Class II, Division 1, Groups E, F, G, Class III, Division 1; T4 Ta = -40°C to +70°C; Type 4X, IP66/67

    Class I, Zone 1, Ex db IIB+H2 T4 Gb Ta = -40°C to +70°C, Type 4X, IP66/67

12. **Description of Equipment:**

    General - The FT Series Thermal Gas Mass Flow Meter and Temperature Transmitters are used for measuring the mass flow of gases as well as the process gas temperature all in one package. The flowmeters are available for inline or insertion applications. The product features 4-20mA and/or pulse outputs and is also available with an optional display/configuration panel. Digital communications options include USB, HART and RS485 Modbus.

    Construction - The FT Series Thermal Gas Mass Flow Meter and Temperature Transmitter consists of a single compartment electronics housing with thread-on window cover and a probe which is threaded into the housing base. The enclosures are provided with two (2) ¾ inch NPT openings.

    Ratings - The FT Series Thermal Gas Mass Flow Meter and Temperature Transmitters operate at 12-28 Vdc (6W). The transmitters are rated for use in an ambient temperature range of -40°C to +70°C. The transmitter probes are rated for use in a process temperature range of -40°C to +121°C at a maximum pressure of 740 psi.

    Refer to the Annex for model codes.

13. **Test and Assessment Procedure and Conditions:**

    This Certificate has been issued in accordance with FM Approvals Canadian Certification Scheme.

14. **Schedule Drawings**

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

15. **Certificate History**

    Details of the supplements to this certificate are described below:

Date	**Description**
9 March 2016	Original Issue.
18 May 2016	Supplement 1: Report Reference: RR205202 dated 18 May 2016. Description of the Change: The certificate has been updated to the most recent format.

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SCHEDULE

Canadian Certificate of Conformity No: FM16CA0005X

Date	Description
5 December 2016	Supplement 2: Report Reference: RR207246 dated 5 December 2016. Description of the Change: Model code and documentation changes to add alternate software version (no hardware changes).
15 May 2018	Supplement 3: Report Reference: RR213483 dated 15 May 2018. Description of the Change: Minor documentation revisions.
1 November 2019	Supplement 4: Report Reference: PR454023 dated 1 November 2019. Description of the Change: Testing for revised enclosure coating for added corrosion resistance. Other minor documentation revisions.
14 November 2024	Supplement 5: Report Reference: RR243270 dated 14 November 2024. Description of the Change(s): Added 1/2 inch probes. Model code reconfigured. Other documentation updates not affecting the equipment safety. Standards have been updated to the latest reaffirmed dates or latest editions where changes between versions are considered non-technical.
26 May 2026	Supplement 6: Report Reference: PR474189 dated 26 May 2026. Description of the Change(s): Revision to sensor connection on equipment enclosure. Other minor documentation changes not affecting the equipment safety.

ANNEX

FT Series Inline

Description of Equipment:

FTa-bcde-f-ghij-k-l-m. Thermal Mass Gas Flow Meter and Temperature Transmitter (Inline).
a = Model: 1 or 4A.
b = Flowbody size: 025, 05, 075, 10, 125, 15, 20, 25, 30, 40, 60 or 80.
c = Flowbody type: P, F, G, H, D, E, J or K.
d = Flowbody material: BLANK or C.
e = Flowbody conditioner: BLANK or X.
f = Flowbody pipe schedule: BLANK, S05, S10 or S80.
g = Retractor length: BLANK, 15, 18, 24, 30 or 36.
h = Retractor: BLANK, R or C.
i = Crank retractor diameter: BLANK, 1 or 2.
j = Crank retractor flange: BLANK, A1, A2, A3, N1, N2, J1 or J2.
k = Sensor diameter and material: BLANK, H2, J3, L3, S2, H2, J2 or L2.
l = Display: D0 or DD.
m = Output P1, BH or RS.

FT Series Insertion

Description of Equipment:

FTa-bcde-f-g-h. Thermal Mass Gas Flow Meter and Temperature Transmitter (Insertion).
a = Model: 1 or 4A.
b = Probe length: 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 or 36.
c = Retractor: I, R or C.
d = Crank retractor diameter: BLANK, 1 or 2.
e = Crank retractor flange: BLANK, A1, A2, A3, N1, N2, J1 or J2.
f = Sensor diameter and material: BLANK, H3, J3, L3, S2, H2, J2 or L2.
g = Display: D0 or DD.
h = Output: P1, BH or RS.