



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 FMG 12.0010X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 6 Issue 5 (2019-06-18)
Date of Issue: 2020-10-05 Issue 4 (2018-11-26)
Applicant: **Fox Thermal Instruments Inc.** Issue 3 (2015-08-03)
399 Reservation Road Issue 2 (2015-02-03)
Marina, CA 93933 Issue 1 (2014-06-11)
United States of America Issue 0 (2012-07-13)

Equipment: **Model FT3 Thermal Gas Mass Flow Meter and Temperature Transmitter, Model MTL10 Thermal Gas Mass Flow Meter and Temperature Transmitter, MTI10 Thermal Gas Mass Flow Meter and Temperature Transmitter**

Optional accessory:

Type of Protection: **Flameproof, "d" and Enclosure, "t"**

Marking: IECEx FMG 12.0010X
Ex db IIB+H2 Gb T6, T4 or T1 Ta = -20°C to +70°C; IP67
Ex tb IIIC Db T85°C or T135°C Ta = -20°C to +70°C; IP67
*See attachment and equipment model code for specific temperature code marking.

Approved for issue on behalf of the IECEx
Certification Body:

J.E.Marquedant

Position:

VP, Manager - Electrical Systems

Signature:
(for printed version)

Date:

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:

FM Approvals LLC
1151 Boston-Providence Turnpike
Norwood, MA 02062
United States of America





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Manufacturer: **Fox Thermal Instruments Inc.**
399 Reservation Road
Marina, CA 93933
United States of America

Additional manufacturing locations:

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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2014-06 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 Reports:

[US/FMG/ExTR12.0010/00](#)
[US/FMG/ExTR12.0010/03](#)
[US/FMG/ExTR12.0010/06](#)

[US/FMG/ExTR12.0010/01](#)
[US/FMG/ExTR12.0010/04](#)

[US/FMG/ExTR12.0010/02](#)
[US/FMG/ExTR12.0010/05](#)

Quality Assessment Report:

[GB/FME/QAR12.0003/04](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

FT3-a-b-c-d-e-f. Thermal Gas Mass Flow Meter and Temperature Transmitter (Insertion).

- a = Probe 04 to 36.
- b = Sensor material SS, SH, SJ or SL.
- c = Sensor type ST or HT.
- d = Enclosure E1, E2, E3 or E4.
- e = Display and data logger D0, DD or DL.
- f = Option boards B0, B1, MB, BH, BE or BP.

FT3-a-b-c-d-e-f. Thermal Gas Mass Flow Meter and Temperature Transmitter (Inline).

- a = Flow body size 025P, 05P, 075P, 10P, 125P, 15P, 20P, 25P, 30P, 40P, 05F, 075F, 10F, 125F, 15F, 20F, 25F, 30F, 40F, 60F, 20PC, 25PC, 30PC, 40PC, 20FC, 25FC, 30FC or 40FC.
- b = Sensor material SS or SH.
- c = Sensor type ST or HT.
- d = Enclosure E1, E2, E3 or E4.
- e = Display and data logger D0, DD or DL.
- f = Option boards B0, B1, MB, BH, BE or BP.

MT110-a-b-c-d-e-f. Thermal Gas Mass Flow Meter and Temperature Transmitter (Insertion).

- a = Probe 100I, 125I, 150I, 175I, 200I, 225I, 250I, 275I, 300I, 325I, 350I, 375I, 400I, 425I, 450I, 475I, 500I, 525I, 550I, 575I, 600I, 625I, 650I, 675I, 700I, 725I, 750I, 775I, 800I, 825I, 850I, 875I, 900I, 375R, 450R, 600R, 750R or 900R.
- b = Sensor material SS, SH, SJ or SL.
- c = Sensor type ST or HT.
- d = Enclosure E1, E2, E3 or E4.
- e = Display and data logger D0, DD or DL.
- f = Option boards B0, B1, B2 or B3.

MTL10-a-b-c-d-e-f-g-h. Thermal Gas Mass Flow Meter and Temperature Transmitter (Inline).

- a = Flow body size 008, 015, 020, 025, 032, 040, 050, 065, 080, 100, 150.
- b = Pipe Connection 1NB, 3AB.
- c = Flow body material 6C, 4D.
- d = Sensor material SS or SH.
- e = Sensor type ST or HT.
- f = Enclosure E1, E2, E3 or E4.
- g = Display and data logger D0, DD or DL.
- h = Option boards B0, B1, B3 or B4.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The flameproof joints of the equipment are not intended to be repaired. Consult the manufacturer if dimensional information on the flameproof joints is necessary.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Minor documentation changes not affecting the equipment safety.