



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: issue No.: Certificate history:

Status:

Date of Issue: **2012-07-13** Page 1 of 3

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

Electrical Apparatus: **Model FT3 Thermal Gas Mass Flow Meter and Temperature Transmitter**
Optional accessory:

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

Marking: Ex d 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: Group Manager - Electrical

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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





IECEx Certificate of Conformity

Certificate No.: IECEx FMG 12.0010X

Date of Issue: 2012-07-13

Issue No.: 0

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

Additional Manufacturing location
(s):

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 electrical apparatus 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 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

*This Certificate **does not** indicate compliance with electrical 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/FMG/ExTR12.0010/00](#)

Quality Assessment Report:

[GB/FME/QAR12.0003/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

FT3-aI-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.

CONDITIONS OF CERTIFICATION: YES as shown below:

Consult the manufacturer if dimensional information on the flameproof joints is necessary.