



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 16.0010X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 10	Issue 9 (2021-07-07)
Date of Issue:	2022-05-17		Issue 8 (2020-10-05)
Applicant:	Fox Thermal Instruments Inc. 399 Reservation Road Marina, CA 93933 United States of America		Issue 7 (2019-11-01)
Equipment:	FT Series and 645S, 650S, 745S and 750S Series Thermal Mass Gas Flow Meter and Temperature Transmitter		Issue 6 (2018-11-26)
Optional accessory:			Issue 5 (2018-09-17)
Type of Protection:	Flameproof, d; Enclosure, t		Issue 4 (2018-07-02)
Marking:	IECEX FMG 16.0010X		Issue 3 (2018-05-15)
	Ex db IIB+H2 T4 Gb Ta = -40°C to +70°C, IP66/67		Issue 2 (2016-12-05)
	Ex tb III C T135°C Db Ta = -40°C to +70°C, IP66/67		Issue 1 (2016-04-25)
			Issue 0 (2016-03-09)

Approved for issue on behalf of the IECEx
Certification Body:

J. E Marquedant

Position:

VP, Manager - Electrical Systems

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:

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

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

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 60079-1:2014-06](#) 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/ExTR16.0011/00](#)
[US/FMG/ExTR16.0011/03](#)
[US/FMG/ExTR16.0011/06](#)
[US/FMG/ExTR16.0011/09](#)

[US/FMG/ExTR16.0011/01](#)
[US/FMG/ExTR16.0011/04](#)
[US/FMG/ExTR16.0011/07](#)
[US/FMG/ExTR16.0011/10](#)

[US/FMG/ExTR16.0011/02](#)
[US/FMG/ExTR16.0011/05](#)
[US/FMG/ExTR16.0011/08](#)

Quality Assessment Report:

[GB/FME/QAR12.0003/05](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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

a = Model 1 or 4A.

b = Probe 04I, 05I, 06I, 07I, 08I, 09I, 10I, 11I, 12I, 13I, 14I, 15I, 16I, 17I, 18I, 19I, 20I, 21I, 22I, 23I, 24I, 25I, 26I, 27I, 28I, 29I, 30I, 31I, 32I, 33I, 34I, 35I, 36I, 15R, 18R, 24R, 30R or 36R.

c = Sensor material SH, SJ, SL or BLANK.

d = Display D0 or DD.

e = Output BH, P1 or RS.

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

a = Model 1 or 4A.

b = Flow body 075F, 10F, 15F, 20F, 25F, 30F, 40F, 60F, 125F, 10FC, 15FC, 20FC, 25FC, 30FC, 40FC, 60FC, 125FC, 075P, 10P, 15P, 20P, 25P, 30P, 40P, 125P, 10PC, 15PC, 20PC, 25PC, 30PC, 40PC or 125PC.

c = Sensor material SH or BLANK.

d = Display D0 or DD.

e = Output BH, P1 or RS.

6aS-b-c-d-e. Thermal Mass Gas Flow Meter and Temperature Transmitter (Insertion).

a = Meter 45 or 50.

b = Probe 04I, 05I, 06I, 07I, 08I, 09I, 10I, 11I, 12I, 13I, 14I, 15I, 16I, 17I, 18I, 19I, 20I, 21I, 22I, 23I, 24I, 25I, 26I, 27I, 28I, 29I, 30I, 31I, 32I, 33I, 34I, 35I, 36I, 15R, 18R, 24R, 30R or 36R.

c = Sensor material SH, SJ, SL or BLANK.

d = Display D0 or DD.

e = Output BH, P1 or RS.

7aS-b-c-d-e. Thermal Mass Gas Flow Meter and Temperature Transmitter (Inline).

a = Meter 45 or 50.

b = Flow body 075F, 10F, 15F, 20F, 25F, 30F, 40F, 60F, 125F, 10FC, 15FC, 20FC, 25FC, 30FC, 40FC, 60FC, 125FC, 075P, 10P, 15P, 20P, 25P, 30P, 40P, 125P, 10PC, 15PC, 20PC, 25PC, 30PC, 40PC or 125PC.

c = Sensor material SH or BLANK.

d = Display D0 or DD.

e = Output BH, P1 or RS.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The flamepaths of the equipment are not intended to be repaired. Consult the manufacturer if repair of the flamepath joints is necessary.
2. Refer to the manufacturer's instructions to reduce the potential of an electrostatic charging hazard on the equipment enclosure.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Add 645S, 650S, 745S and 750S Series.