



Member of the FM Global Group

FM Approvals  
1151 Boston Providence Turnpike  
P.O. Box 9102 Norwood, MA 02062 USA  
T: 781 762 4300 F: 781-762-9375 www.fmaprovals.com

# CERTIFICATE OF COMPLIANCE

## HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

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

XP/I/1/BCD/T3C Ta = -40°C to +70°C; DIP/II,III/1/EFG/T3C Ta = -40°C to +70°C;

I/1/Ex d/IIB+H2/T\* Ta = -20°C to +70°C; Type 4X, IP67

a = 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.

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.

\*Temperature code ratings for Zones are dependent on external process temperature factors as well as equipment enclosure configuration. See the table below for specific temperature code markings.

Model Code		Temperature Code Marking	
Sensor Type	Enclosure	Main Enclosure	Remote Enclosure
ST	E1	T4	N/A
ST	E2	T4	N/A
ST	E3	T6	T4
ST	E4	T6	T4
HT	E3	T6	T1
HT	E4	T6	T1

**Special Condition of Use:**

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

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

XP/I/1/BCD/T3C Ta = -40°C to +70°C; DIP/II,III/1/EFG/T3C Ta = -40°C to +70°C;

I/1/Ex d/IIB+H2/T\* Ta = -20°C to +70°C; Type 4X, IP67

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.

\*Temperature code ratings for Zones are dependent on external process temperature factors as well as equipment enclosure configuration. See the table below for specific temperature code markings.

Model Code		Temperature Code Marking	
Sensor Type	Enclosure	Main Enclosure	Remote Enclosure
ST	E1	T4	N/A
ST	E2	T4	N/A
ST	E3	T6	T4
ST	E4	T6	T4
HT	E3	T6	T1
HT	E4	T6	T1

**Special Condition of Use:**

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

**Equipment Ratings:**

Explosionproof for Class I, Division 1, Groups B, C and D; Dust-ignitionproof for Class II/III, Division 1, Groups E, F, and G; and Flameproof for Class I, Zone 1 Ex d IIB+H2 hazardous locations, indoors and outdoors (Type 4X and IP67).

**FM Approved for:**

Fox Thermal Instruments Inc.  
Marina, CA, USA

This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

CSA-C22.2 No. 0.4	2009
CSA-C22.2 No. 0.5	2008
CSA-C22.2 No. 25	2009
CSA-C22.2 No. 30	2007
CSA-C22.2 No. 94	2011
CSA-C22.2 No. 1010.1	2009
CSA-C22.2 No. 60529	2005
CAN/CSA E60079-0	2007
CAN/CSA E60079-1	2007

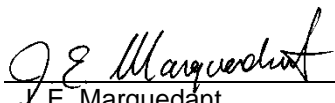
Original Project ID: 3041764C

Approval Granted: July 17, 2012

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

  
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J. E. Marquedant  
Group Manager, Electrical

17 July 2012  
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Date