



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.fmapprovals.com

# CERTIFICATE OF COMPLIANCE

## HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

***QEX1000a-b-C. Flow Meter System consisting of the following electrical sub-assemblies:***

IPA / I / 2 / CD / T6... T4 Ta = -45°C (-50°C) to +60°C; Type 4X, IP66/IP67 — ECD00048

a = alphanumeric string indicating general configuration and application (Not Ex safety related)

b = alphanumeric. Operational process temperature [never exceeding 125°C] (Not Ex safety related)

**TA1000-aaa-bbb-cc-de-Agh-ii-1-k-C. Transducer Assy**

IPA / I / 2 / CD / T6... T4 Ta = -45°C to +60°C; IP67 — ECD00048

a = alphanumeric indicating pipe (Not Ex safety related)

b = alphanumeric indicating the set of transducer components (limited to those elements listed in ECD00039) (Not Ex safety related)

c = alphanumeric indicating primary transducer interface (Not Ex safety related)

d = 1 or 2 Protective cover material

e = alphanumeric indicating cover features (Not Ex safety related)

g = 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, S, or T. Cable gland

h = alphanumeric indicating cable length (Not Ex safety related)

i = alphanumeric indicating language (Not Ex safety related)

k = alphanumeric. Operational process temperature [never exceeding 125°C] (Not Ex safety related)



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**JB1000-Ebc-1-e-ff-1-h-C. Junction Box Assy**

IPA / I / 2 / CD / T6...T4 Ta = -50°C to +60°C; Type 4X, IP66 — ECD00048

b = alphanumeric indicating non-Ex safety-related enclosure options

c = A, B, C, or D. Ex safety-related enclosure options.

e = alphanumeric indicating bracket (Not Ex safety related)

f = alphanumeric indicating language (Not Ex safety related)

h = alphanumeric. Operational process temperature [never exceeding 125°C] (Not Ex safety related)

**FT1000-aa-Ecd-Afg-hh-i-jj-1-C. Flow Transmitter Assy**

IPA / I / 2 / CD / T6...T4 Ta = -50°C to +60°C; Type 4X, IP66 — ECD00048

a = alphanumeric indicating software (Not Ex safety related)

c = alphanumeric indicating non-Ex safety-related enclosure options

d = A, B, C, or D. Ex safety-related enclosure options.

f = 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, S, or T. Cable gland

g = alphanumeric indicating cable length (Not Ex safety related)

h = alphanumeric indicating electronics option (Not Ex safety related)

i = alphanumeric indicating communication protocol (Not Ex safety related)

j = alphanumeric indicating language (Not Ex safety related)

**Equipment Ratings:**

Ex d m IIB T6...T4 for installation in

Class I, Division 2, Group CD, T6...T4

Type 4X, IP66/IP67

Ta = -45°C (-50°C) to +60°C (TA1000 Transducer Assembly limited to -45°C lower ambient)

**FM Approved for:**

Expro Meters, Inc.

Wallingford CT 06492 USA

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

CAN/CSA E60079-0	2007
CAN/CSA E60079-1	2007
CAN/CSA E60079-18	1995
CAN/CSA C22.2 No. 94	1991
CAN/CSA C22.2 No. 61010-1	2004
CAN/CSA C22.2 No. 60529	2005

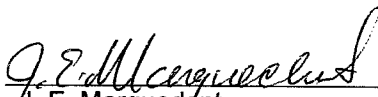
Original Project ID: 3037424c

Approval Granted: *January 29, 2010*

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

*29 January 2010*  
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Date