



FM Approvals  
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# 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 or EDC00062

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 or EDC00062

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 = 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)



Member of the FM Global Group

### **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 or EDC00062

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 or EDC00062

a = alphanumeric indicating software (Not Ex safety related)

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

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

f = 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)

#### **Specific Conditions of Use**

1. Special temperature measurements are required if process temperatures can exceed 100°C. See instructions in ECD00048 or ECD00062.

2. Special gland and cable selection requirements may apply. See instructions in ECD00048 or ECD00062.

### 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	2011
CAN/CSA E60079-1	2011
CAN/CSA E60079-18	2012
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

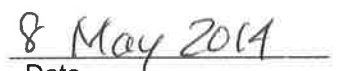
Approval Granted: January 29, 2010

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
130515	May 8, 2014		

FM Approvals LLC

  
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J. E. Marquedant  
Manager, Electrical Systems

  
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Date