FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

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

S / I / 2 / CD / T6...T4 Ta = -45°C (-50°C) to +60°C; Type 4X, IP66/IP67 — ECD00036

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

b = alphanumeric. Operational process temperature [never exceeding 100°C] (Not Ex safety related)

TA1000-aaa-bbb-cc-de-Bgh-ii-1-k-D. Transducer Assy

S / I / 2 / CD / T6...T4 Ta = -45°C to +60°C; IP67 — ECD00036

a = alphanumeric indicating pipe (Not Ex safety related)

b = alphanumeric indicating the set of transducer components (limited to those elements listed in ECD00027) (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 100°C] (Not Ex safety related)

JB1000-Ebc-1-e-ff-1-h-D. Junction Box Assy

S / I / 2 / CD / T6...T4 Ta = -50°C to +60°C; Type 4X, IP66 — ECD00036
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 100°C] (Not Ex safety related)

FT1000-aa-Ecd-Bfg-hh-i-jj-1-D. Flow Transmitter Assy

S / I / 2 / CD / T6...T4 Ta = -50°C to +60°C; Type 4X, IP66 — ECD00036
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:

Class I, Division 2, Group CD, T6...T4
Type 4X, IP66/IP67
Ta = -45°C(-50°C) to +60ºC (TA1000 Transducer Assembly limited to -45°C lower ambient)

FM Approved for:

Expro Meters, Inc.
Wallingford CT 06492 USA

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

Class 3600	1998
Class 3810	2005
ANSI/ISA 60079-0	2009
ANSI/ISA 60079-1	2009
ANSI/ISA 60079-18	2009
NEMA 250	2003
ANSI/IEC 60529	2004

Original Project ID: 3037424 Approval Granted: January 29, 2010

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date

FM Approvals LLC

J. E. Marquedant
Group Manager, Electrical

29 January 2010
Date