



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

240i-a-2-b-c-d-e-f-ST-g h-i. Inline Mass Vortex Flowmeter.

a = Multivariable V, VT or VTP.

b = Flow body F4, F5, F6, F7, F8, F9, F10, G4, G5, G6, G7, G8, G9, G10, H4, H5, H6, H7, H8, H9, H10, FD4, FD5, FD6, FD7, FD8, FD9, FD10, GD4, GD5, GD6, GD7, GD8, GD9, GD10, HD4, HD5, HD6, HD7, HD8, HD9 or HD10.

c = Enclosure E2 or E4(*). *Specify cable length (50 feet maximum).

d = Display DD or NR.

e = Power P2 or PS.

f = Output V6, V6H, V6M, V6DP2 or V6FF.

g = Process pressure MP0†, MP1*, MP2*, MP3* or MP4*. †V or VT only. *VTP only.

h = Certificates BLANK or MC, PT, CC or NC.

i = Oxygen cleaning BLANK or O2C.

Specific Conditions of Use

1. For probes longer than 13 inches, a suitably certified conduit sealing device is required to be installed between the main enclosure and the probe body. The seal shall be located within 13 inches of the main enclosure.
2. A suitably certified conduit sealing device is required within 18 inches of the enclosure(s) wiring compartment.

241i-a-2-b-c-d-e-f-ST-g-h i-j-k. Insertion Mass Vortex Flowmeter.

a = Multivariable V, VT or VTP.

b = Probe length LS or LC.

c = Enclosure E2 or E4(*). *Specify cable length (50 feet maximum).

d = Display DD or NR.

e = Power P2 or PS.

f = Output V6, V6H, V6M, V6DP2 or V6FF.

g = Process pressure MP0†, MP1*, MP2*, MP3* or MP4*. †V or VT only. *VTP only.

h = Process connection CO, CM, CF, CG, CH, PM, PF, PG, PH, CFD, CGD, CHD, PFD, PGD or PHD.

i = Certificates BLANK or MC, PT, CC or NC.

j = Oxygen cleaning BLANK or O2C.

k = Retractor BLANK or 241-Retractor.

Specific Conditions of Use

1. For probes longer than 13 inches, a suitably certified conduit sealing device is required to be installed between the main enclosure and the probe body. The seal shall be located within 13 inches of the main enclosure.
2. A suitably certified conduit sealing device is required within 18 inches of the enclosure(s) wiring compartment.

Equipment Ratings:

Explosionproof for Class I, Division 1, Groups B, C and D hazardous locations, indoors and outdoors (Type 4X) with a temperature class rating of T6 for use in an ambient temperature range of -40°C to +60°C and process temperature range of -40°C to +200°C at a maximum pressure of 1500 psi.

FM Approved for:

Sierra Instruments Inc.
Monterey, CA, USA

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

C22.2 No. 0.4	2013
C22.2 No. 0.5	2012
C22.2 No. 30	2012
C22.2 No. 94	2011
CSA 61010-1	2012

Original Project ID: 3054986C

Approval Granted: September 9, 2015

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC



J.E. Marquedant
Manager, Electrical Systems

9 September 2015

Date