



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:

### **640i-a-2-b-c-d-e-f-g-h-0-i-i-i-j. Insertion Thermal Mass Flowmeter.**

- a = Multivariable VT or VTP.
- b = Probe L06, L09, L13, L18, L24, L36, L48, L(\*) or L(\*) M5. \*Specify probe length (max 48 inches).
- c = Mounting M0, M1, M1-M2(\*), M3, M4(\*), M8(\*), M9 or M15(\*). \*Specify pipe O.D.
- d = Enclosure E2 or E4(\*). \*Specify cable length.
- e = Power P2 or P3.
- f = Output V4 or V6\*. \*VTP only.
- g = Display DD or NR.
- h = Pressure MP1\*, MP2\*, MP3\*, MP4\* or N/A<sup>†</sup>. \*VTP only. <sup>†</sup>For VT or E4.
- i = Gas 0, 1, 1A, 2, 2A, 3, 4, 4A, 6, 6A, 7, 7A, 8, 8A, 10, 10A, 11, 12, 12A or 99.
- j = Digital Communication: DP1\*, DP2\*, FF\*, MB\*, HART\* or Blank. \*only available in P2 Power option.

### **Special Conditions of Use**

1. A suitably certified conduit sealing device is required within 13 inches of the enclosure for probes longer than 13 inches.
2. A suitably certified conduit sealing device is required within 18 inches of the main enclosure wiring compartment.

### **780i-a-2-b-c-d-e-f-g-0-h-h-h-i. In-line Thermal Mass Flowmeter.**

- a = Multivariable VT or VTP.
- b = Flow Body N2, N3, N4, N5, N6, N7, N8, N9, N10, F2, F3, F4, F5, F6, F7, F8, F9, F10, FD6, FD7, FD8, FD9, FD10, GD4, GD5, GD6, GD7, GD8, GD9 or GD10.
- c = Enclosure E2 or E4(\*). \*Specify cable length.
- d = Power P2 or P3.
- e = Output V4 or V6\*. \*VTP only.
- f = Display DD or NR.
- g = Pressure MP1\*, MP2\*, MP3\*, MP4\* or N/A<sup>†</sup>. \*VTP only. <sup>†</sup>For VT or E4.
- h = Gas 0, 1, 1A, 2, 2A, 3, 4, 4A, 6, 6A, 7, 7A, 8, 8A, 10, 10A, 11, 12, 12A or 99.
- i = Digital Communication: DP1\*, DP2\*, FF\*, MB\*, HART\* or Blank. \*only available in P2 Power option.

### **Special Conditions of Use**

1. A suitably certified conduit sealing device is required within 13 inches of the enclosure for probes longer than 13 inches.
2. A suitably certified conduit sealing device is required within 18 inches of the main enclosure wiring compartment.

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)  
FM Approvals HLC 5/13 3048285C



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### Equipment Ratings:

Explosionproof for Class I, Division 1, Groups B, C and D hazardous locations, indoors and outdoors (Type 4X) for use in an ambient temperature range of -40°C to +60°C with temperature class marking of T3C.

### FM Approved for:

Sierra Instruments Inc.  
Monterey, California, USA



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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
C22.2 No. 1010.1	2009

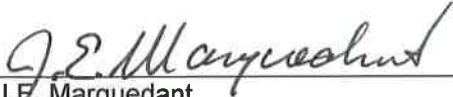
Original Project ID: 3048285C

Approval Granted: April 25, 2014

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3052971	August 8, 2014		
170723	October 1, 2014		

FM Approvals LLC

  
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 J.E. Marquedant  
 Manager, Electrical Systems

1 October 2014  
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 Date