

FM Approvals
1151 Boston Providence Turnpike
P.O. Box 9102 Norwood, MA 02062 USA
T: 781 762 4300 F: 781-762-9375 www.fmaprovals.com

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

640i-a-2-b-c-d-e-f-g-h-0-i-i-i. 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[†]. *VTP only. [†]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.

Special Conditions of Use

A seal is required within 13 inches of the enclosure for probes longer than 13 inches.

780i-a-2-b-c-d-e-f-g-0-h-h-h. 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[†]. *VTP only. [†]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.

Special Conditions of Use

A seal is required within 13 inches of the enclosure for probes longer than 13 inches.

To verify the availability of the Approved product, please refer to www.approvalguide.com

Equipment Ratings:

Explosionproof for Class I, Division 1, Groups B, C and D hazardous (classified) 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

To verify the availability of the Approved product, please refer to www.approvalguide.com

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

Class 3600	2011
Class 3615	2006
Class 3810	2005
ANSI/NEMA 250	1991

Original Project ID: 3040602

Approval Granted: December 28, 2012

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3048285	April 25, 2014		

FM Approvals LLC



J.E. Marquedant
Group Manager, Electrical

25 April 2014

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com