

CERTIFICATE OF CONFORMITY

1. **HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**
2. **Certificate No:** FM19CA0107
3. **Equipment:** ISDP-a.
(Type Reference and Name) Pressure Transmitter
4. **Name of Listing Company:** Dwyer Instruments Inc.
5. **Address of Listing Company:** 102 Indiana Hwy 212
Michigan City, IN 46360
United States
6. The examination and test results are recorded in confidential report number:

3029937 dated 7th October 2008
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

CSA-C22.2 No. 157:1992, CSA-C22.2 No.94:2011, CSA-C22.2 60079-0:2009,
CSA-C22.2 60079-11:2009, CSA-C22.2 61010-1:2004
8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
10. **Equipment Ratings:**

Intrinsically Safe for Class I, II, III, Division 1, Groups A, B, C, D, E, F and G, T4, Class I, Zone 0, Ex ia IIC, T4
Ta = 0°C to +72°C.

Certificate issued by:



J.E. Marquedant
VP, Manager - Electrical Systems

11 March 2020

Date

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

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com

SCHEDULE



Canadian Certificate Of Conformity No: FM19CA0107

11. The marking of the equipment shall include:

IS, Class I, II, III, 1, Groups A, B, C, D, E, F and G; T4;

Class I, Zone 0, Ex ia IIC T4;

Ta = 0°C to +72°C

12. **Description of Equipment:**

The ISDP Series Differential Pressure Transmitter is designed for low differential pressure applications under 100 inches of water. The ISDP Transmitter outputs a 4 to 20mA signal proportional to the differential pressure measured. The apparatus has an LCD display that always displays the differential pressure measured.

Operation Temperature Ranges:

The ambient operating temperature range of the is 0°C to 72°C.

Electrical data:

Entity parameters:

Ui (Vmax) = 28Vdc; Ii (Imax)= 93mA; Ci = 22nF; Li = 400uH, Pi = 651mW

ISDP-a. Differential Pressure Transmitter.

a = Pressure Range: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018

13. **Specific Conditions of Use:**

None

14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals Canadian Certification Scheme.

15. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

16. **Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
7 th October 2008	Original Issue.

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Member of the FM Global Group

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11 th March 2020	<p><u>Supplement 2:</u> Report Reference: – RR221325 dated 11th March 2020. Description of the Change: Added model code option a = 018 to list of options. Updated low temperature from -40°C to 0°C. Added missing standards CSA-C22.2 No.94:2011, CSA-C22.2 60079-0:2009, CSA-C22.2 60079-11:2009 and CSA-C22.2 61010-1:2004. Removed obsolete standard CSA-C22.2 No. 142.</p>
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