



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:

Insta Trans-XD abcde. Trace and Percent Oxygen Digital Transmitter.

IS/I/1/ABCD/T4 Ta = 0°C to +50°C – D-92719; Entity;

IS/I/0/Ex ia/IIC T4 Ta = 0°C to +50°C – D-92719; Entity;

NI/I/2/ABCD/T4 Ta = 0°C to +50°C – D-92719; NIFW;

Entity Parameters:

Ui = 28Vdc, Ii = 93mA, Pi = 0.66W, Ci = 1.1nF, Li = 0

Nonincendive Field Wiring Parameters:

Ui = 28Vdc, Ii = 27mA, Pi = 0.66W, Ci = 1.1nF, Li = 0

a = Sensor: A (Std.) or B (A5).

b = Cell Holder: A (Std. B2/L2C Profile) or B (Insta-Trace).

c = Retaining Ring: A (Std. UHMW ply) or B (316 SS).

d = Gas Connection: A (1/8" NPTF), B (Std. 1/8" T), C (1/4" T) or D (6mm).

e = O Ring: A (Std. Viton), B (Kalrez), C (EPR), D (Neoprene) or E (Bun-n).

Special Conditions of Use:

- 1. The enclosure contains plastic. To prevent the risk of electrostatic sparking the plastic surface should be cleaned only with a damp cloth.*
- 2. The apparatus enclosure contains aluminum and is considered to constitute a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.*

Equipment Ratings:

Intrinsically Safe for Class I, Division 1, Groups A, B, C and D in accordance with drawing D-92719;
Intrinsically Safe for Class I, Division 1, Groups A, B, C and D in accordance with drawing D-92719; as
Intrinsically Safe for Class I, Zone 0, Ex ia IIC in accordance with drawing D-92719; as Nonincendive with
Nonincendive Field Wiring for Class I, Division 2, Groups A, B, C and D in accordance with drawing D-
92719 hazardous (Classified) locations Temperature Class T4 Ta = 0°C to +50°C.

FM Approved for:

Teledyne Analytical Instruments
City Of Industry, CA USA

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

CSA C22.2 No. 157	2012
CSA C22.2 No. 213	2013
CSA C22.2 No. 60079-0	2011
CSA C22.2 No. 60079-11	2014
CSA C22.2 No. 61010-1	2004

Original Project ID: 3052658C

Approval Granted: October 25, 2015

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
RR203058	November 10, 2015		

FM Approvals LLC



J.E. Marquedant
Manager, Electrical Systems

10 November 2015

Date