



FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

ELS-1150XP-a. Electro-Optic Liquid Level Detector.

XP / I / 1 / ABCD / T4 @ Ta=-40°C to +125°C; DIP / II, III / 1 / EFG / T4 @ Ta=-40°C to +125°C; IP67
a = Housing Material: N (Nickel Plated) or S (Stainless Steel).

Special Condition of Use:

- 1. The ELS-1150XP requires the use of an NRTL Listed or Approved enclosure for connection of field wiring that is appropriately rated for Hazardous (Classified) Locations area use.*
- 2. Suitable external grounding integrity of the ELS-1150XP housing must be maintained through metallic housing or equipment interconnection at all times.*

Equipment Ratings:

Explosionproof for Class I, Division 1, Groups A, B, C and D; dust-ignition proof for Class II, Division 1, Groups E, F and G; and Class III hazardous locations, IP67.

FM Approved for:

Gems Sensors, Inc.
Plainville, CT 06062
USA

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

CSA C22.2 No. 0.4	1982
(Reaffirmed)	1999
CSA C22.2 No. 0.5	1982
(Reaffirmed)	1999
CSA C22.2 No. 25	1966
(Reaffirmed)	2004
CSA C22.2 No. 30	1986
(Reaffirmed)	2003
CSA C22.2 No. 142	1987
(Reaffirmed)	1993
CSA C22.2 No. 60529	2005

Original Project ID: 3034655C

Approval Granted: *November 7, 2008*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC



J. E. Marquedant
Group Manager, Electrical

7 November 2008
Date