

# CERTIFICATE OF CONFORMITY



1. **HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**
2. **Certificate No:** FM16CA0074
3. **Equipment:** MT2523 and IT2523 Series MAG-TRANS® Level Transmitters  
**(Type Reference and Name)**
4. **Name of Listing Company:** Process Level Technology Ltd
5. **Address of Listing Company:** 888 Clear Creek Ave  
League City TX  
77573  
United States
6. The examination and test results are recorded in confidential report number:  

3052276 dated 8<sup>th</sup> June 2016
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. 0.4:R2013, CSA-C22.2 No. 0.5:R2012, CSA-C22.2 No. 30:R2012,  
CSA-C22.2 No. 94:R2011, CSA-C22.2 No. 61010-1:2012
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:**  

Explosionproof for Class I, Division 1, Groups B, C and D; T6 hazardous locations with an ambient temperature rating of -25°C to +60°C, and environmental rating of Type 4X.

**Certificate issued by:**

  
\_\_\_\_\_  
J.E. Marquedant  
Manager, Electrical Systems

8 June 2016  
\_\_\_\_\_  
Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://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](mailto:information@fmapprovals.com) [www.fmapprovals.com](http://www.fmapprovals.com)

# SCHEDULE



Canadian Certificate Of Conformity No: FM16CA0074

11. The marking of the equipment shall include:

Class I, Division 1, Groups B, C, D; Tamb -25°C to +60°C; Type 4X

12. **Description of Equipment:**

**General** - The MT/IT2523 Series MAG-TRANS® Level Transmitters utilize magnetostrictive level sensing technology to sense fluid level. The level transmitters come in two models series. The MT2523 is non-invasive and is attached directly to MAG-GAGE®/Bypass Chamber with a variety of mounting options. The IT2523 is direct insertion into a tank/vessel or bypass chamber. Both contain a Certified dual compartment enclosure of either epoxy coated aluminum or optional 316SS with an attached 316SS probe threaded to base of enclosure with integral piezomagnetic wave guide sensor. The maximum probe lengths are 360 inches for the MT2523 and 240 inches for the IT2523. An LCD graphic display provides level operating conditions. Dual ¼ inch NPT conduit entries are provided for connection to conduit with seal at 18 inches.

**Operation Temperature and Pressure Ranges:**

The ambient operating temperature range of the level transmitter is -25°C to +60°C. Maximum rated process temperature of 800°F.

Maximum rated pressure of 2000 psig.

**Electrical data:**

The units operate from a loop powered 10-30 Vdc (24 Vdc /0.66 watts nominal) input source with a 4-20 mA output.

**MT2523abc6SdFM. External MAG-TRANS® Level Transmitters**

a = Length of probe in inches: 0 to 360  
b = Mounting position: BML, TML, BMR or TMR  
c = Dual compartment housing material: ALE or SSE  
d = process temperature in degrees F: -50 to 800

**IT2523aTmb6S2.0/150RcdeFM. Internal MAG-TRANS® Level Transmitters**

a = Length of probe in inches: 0 to 240  
b = Dual compartment housing material: ALE or SSE  
c = Specific gravity: 0.30 to 2.0  
d = Process pressure in psig: VAC to 2000  
e = process temperature in degrees F: -50 to 300

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.

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# SCHEDULE



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## 16. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
8 <sup>th</sup> June 2016	Original Issue.

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