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Member of the FM Global Group

# CERTIFICATE OF COMPLIANCE

## HAZARDOUS LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**DBOB-a-1 Level Measuring System.**

DIP/II,III/1/EFG/\*; Type 4, IP66

a = Power Supply 1, 2 or 3.

Measurement range up to 30m (100ft) max.

Process connection any DIN, EN, ISO, ANSI, ASME or ASTM standard thread

**Notes:**

1) The manufacturer's operating ambient temperature ranges are defined as follows:

- 40°C to +60°C (for process temperatures up to +80°C)
- 40°C to +50°C (for process temperatures up to +90°C)
- 40°C to +40°C (for process temperatures up to +150°C)

2) \*The manufacturer's T-code ratings are defined by the maximum ambient temperature and either the thermal fuse rating or maximum process temperature, whichever is greater. See table below for permissible T-codes:

Max. ambient temp	Max. process temp	Max. surface temp	T-code
60°C	80°C	117°C	T4A
50°C	90°C	117°C	T4A
40°C	100°C	117°C	T4A
	110°C	117°C	T4A
	120°C	120°C	T4A
	130°C	130°C	T4
	135°C	135°C	T4
	140°C	140°C	T3C
	150°C	150°C	T3C

**PLS2-E-1-a Level Limit Switch.**

DIP / II, III / 1 / EFG / T5 Ta=40°C, T4A Ta=60°C; Type 4.

a = Mains Voltage: 1, 2 or 3.

Equipment Ratings:

***DBOB-a-1 Level Measuring System:***

Dust-ignitionproof for Class II/III, Division 1, Groups E, F and G hazardous locations, indoors and outdoors (Type 4, ANSI/NEMA 250-1991 and IP66)

***PLS2-E-1-a Level Limit Switch:***

Dust-ignitionproof for Class II/III, Division 1, Groups E, F and G hazardous locations, indoors and outdoors (Type 4, ANSI/NEMA 250-2003)

FM Approved for:

Dwyer Instruments Inc.  
Michigan City, IN, USA

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

Class 3600	1998
Class 3810	2005
ANSI/NEMA 250	1991
ANSI/NEMA 250	2003
ANSI/IEC 60529	2004

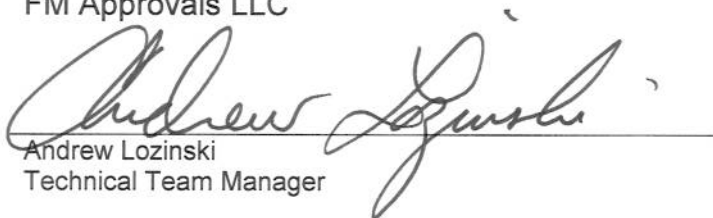
Original Project ID: 3043854

Approval Granted: *11 October 2011*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

  
Andrew Lozinski  
Technical Team Manager

*11 October 2011*  
Date