

FM Approvals
1151 Boston Providence Turnpike
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

PD68a-bcd-e-f. Loop-Powered Meter.

XP / I / 1 / BCD / T6 Ta = -40°C to +75°C; DIP / II, III / 1 / EFG / T6 Ta = 75°C;
I / 1 / AEx d / IIC / T6 Ta = -40°C to +75°C; 21 / AEx tb / IIIC / T85°C Ta = -40°C to +75°C;
Type 4X, IP66.

a = Model Option: 00, 01, 20, 30 or 70.

b = Power: 0, A, B, C or D.

c = Display: K, L, M, P, T or X.

d = Outputs: 0, 1, A or B.

e = Communications: Blank, 0, 1, 2, 3, F, H, I, M, P or X (where X = single digit alphanumeric value representing firmware which does not affect Approval).

f = Cosmetic Modification represented by up to 4-digit alphanumeric combination which does not affect Approval.

PD663-xxx-00-a. Loop-Powered Meter.

XP / I / 1 / BCD / T6 Ta = -40°C to +75°C; DIP / II, III / 1 / EFG / T6 Ta = 75°C;
I / 1 / AEx d / IIC / T6 Ta = -40°C to +75°C; 21 / AEx tb / IIIC / T85°C Ta = -40°C to +75°C; Type 4X, IP66.
xxx = Options: 0L0, 0K0, 0LA or 0KA.

a = Cosmetic Modification represented by up to 4-digit alphanumeric combination which does not affect Approval.

PD310-Aa-Cb-c. Temperature Transmitter.

XP / I / 1 / BCD / T6 Ta = -40°C to +75°C; DIP / II, III / 1 / EFG / T6 Ta = 75°C;
I / 1 / AEx d / IIC / T6 Ta = -40°C to +75°C; 21 / AEx tb / IIIC / T85°C Ta = -40°C to +75°C; Type 4X, IP66.
a = Conduit Entry: 1, 2, 3, 8 or X (where X = single digit alphanumeric value representing conduit or process entries comprising of M20x1.5, ½ NPT and/or ¾ NPT).

b = Configuration: 0, 1, 2 or X (where X = 3 through 9 for custom configuration that does not affect Approval).

c = Cosmetic Modification represented by up to 4-digit alphanumeric combination which does not affect Approval.

Equipment Ratings:

Flameproof for use in Class I, Zone 1, AEx d Group IIC Hazardous (Classified) Locations with a T6 temperature class. Protection by Enclosure, Zone 21, AEx tb IIIC, with a T85°C temperature class. Ambient temperature rating is -40°C to +75°C.

Explosionproof for Class I, Division 1, Groups B, C and D; and Dust-ignitionproof for Class II/ III, Division 1, Groups E, F and G Hazardous (Classified) Locations with a T6 temperature class for an ambient temperature rating of -40°C to +75°C.

Equipment is rated for indoors / outdoors (Type 4X, IP66).

FM Approved for:

Precision Digital Corporation
Holliston, MA 01746

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

Class 3600	2011
Class 3615	2006
Class 3810	2005
ANSI/ISA 60079-0	2007
ANSI/ISA 60079-1	2007
ANSI/NEMA 250	2003
ANSI/IEC 60529	2004
ANSI/ISA 60079-31	2009

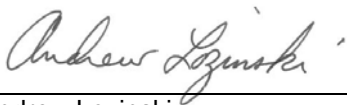
Original Project ID: 3040391

Approval Granted: November 11, 2010

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
120814	October 10, 2012		

FM Approvals LLC



Andrew Lozinski
Technical Team Manager

11 October 2012
Date