



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

PD8-a-bcd-e-f. Modbus Snooper Meters.

XP / I / 1 / BCD / T6 Ta = -40°C to +60°C; T5 Ta = -40°C to +65°C
DIP / II, III / 1 / EFG / T6 Ta = -40°C to +60°C; T5 Ta = -40°C to +65°C
I / 1 / AEx d IIC / T6 Ta = -40°C to +60°C; T5 Ta = -40°C to +65°C;
21 / AEx tb IIIC T90°C Ta = -40°C to +65°C; Type 4X, IP66

a = Model: 865.

b = Power: 6 or 7.

c = Display: R.

d = Output: 2, 5, or 7.

e = Transmitter: 06 or 16.

f = Optional: Cosmetic Modifications represented by up to 4-digit alphanumeric combination which does not affect Approval

PD8-15a-bcd-e-f. Alarm Annunciator

XP / I / 1 / BCD / T6 Ta = -40°C to +60°C; T5 Ta = -40°C to +65°C
DIP / II, III / 1 / EFG / T6 Ta = -40°C to +60°C; T5 Ta = -40°C to +65°C
I / 1 / AEx d IIC / T6 Ta = -40°C to +60°C; T5 Ta = -40°C to +65°C
21 / AEx tb IIIC T90°C Ta = -40°C to +65°C; Type 4X, IP66

a = Point Alarm Annunciator: 4 or 8.

b = Power: 6 or 7.

c = Display: R.

d = Output: 2.

e = Transmitter: 0 or 1.

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

PD8-ab-cde-f. Process/Temperature Meters.

XP / I / 1 / BCD / T6 Ta = -40°C to +60°C; T5 Ta = -40°C to +65°C
DIP / II, III / 1 / EFG / T6 Ta = -40°C to +60°C; T5 Ta = -40°C to +65°C
I / 1 / AEx d IIC / T6 Ta = -40°C to +60°C; T5 Ta = -40°C to +65°C
21 / AEx tb IIIC T90°C Ta = -40°C to +65°C; Type 4X, IP66

a = Series: 6 or 7.

b = Input Configuration: 000-999.

c = Power: 6 or 7.

d = Display: R, H

e = Output: 0, 1, 2, 3, 4, 5, 6, 7 or 8.

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

PD8-765-abc-de-f. Temperature Meters.

XP / I / 1 / BCD / T6 Ta = -40°C to +60°C; T5 Ta = -40°C to +65°C

DIP / II, III / 1 / EFG / T6 Ta = -40°C to +60°C; T5 Ta = -40°C to +65°C

I / 1 / AEx d IIC / T6 Ta = -40°C to +60°C; T5 Ta = -40°C to +65°C

21 / AEx tb IIIC T90°C Ta = -40°C to +65°C; Type 4X, IP66

a = Power: 6 or 7.

b = Display: R or X.

c = Output: 0, 2, 3, or 5.

d = Transmitter Power Supply: 0, 1, or 2.

e = Serial Communication: 0 or 1.

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

Equipment Ratings:

Explosionproof for Class I, Division 1, Groups B, C and D; Dust-ignitionproof for Class II/ III, Division 1, Groups E, F and G Hazardous (Classified) Locations with a temperature Code of T6 Ta = -40°C to +60°C; T5 Ta = -40°C to +65°C.

Flameproof for use in Class I, Zone 1, AEx d, Group IIC, with a temperature Code of T6 Ta = -40°C to +60°C; T5 Ta = -40°C to +65°C, Protection by Enclosure, Zone 21, AEx tb IIIC T90°C, Hazardous (Classified) Locations, rated for indoors / Outdoors, Type 4X; IP66, with an ambient temperature range of Ta = -40°C to +65°C.

FM Approved for:

Precision Digital Corp
Holliston, MA United States



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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 3616	2011
Class 3810	2005
ANSI/ ISA 60079-0	2011
ANSI/ ISA 60079-1	2009
ANSI/ ISA 60079-31	2009
ANSI/ NEMA 250	2003
ANSI/ IEC 60529	2004

Original Project ID: 3047283

Approval Granted: April 5, 2013

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

5 April 2013

Date