



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX SIR 12.0073** Page 1 of 4 [Certificate history:](#)  
Issue 0 (2012-08-30)

Status: **Current** Issue No: 1

Date of Issue: 2016-03-10

Applicant: **Precision Digital Corporation**  
233 South Street  
Hopkinton  
Massachusetts 01748  
United States of America

Equipment: **PD8 series of industrial meters/controllers**

Optional accessory:

Type of Protection: **Flameproof and Dust Protection by Enclosure**

Marking: Ex d IIC T\* Gb  
Ex tb III C T90°C Db IP68  
Ta = -40°C to +\*°C  
\* T6 = -40°C to +60°C  
\* T5 = -40°C to +65°C

Approved for issue on behalf of the IECEx  
Certification Body:

**A G Boyes**

Position:

**Certification Support Officer**

Signature:  
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**SIRA Certification Service**  
CSA Group  
Unit 6, Hawarden Industrial Park  
Hawarden  
Deeside  
CH5 3US  
United Kingdom





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Manufacturer: **Precision Digital Corporation**  
233 South Street  
Hopkinton  
Massachusetts 01748  
**United States of America**

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2007-10** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:5

**IEC 60079-1:2007-04** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:6

**IEC 60079-31:2008** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'  
Edition:1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/SIR/ExTR12.0206/00](#)

[GB/SIR/ExTR16.0046/00](#)

Quality Assessment Report:

[GB/SIR/QAR10.0005/01](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The PD8 series are microprocessor based industrial process meters used to measure and display analogue signal based processes by accepting current, voltage, temperature, pulse and resistance signals.

The enclosure, which has a maximum internal volume of 1,800 cm<sup>3</sup>, is a cylindrical single compartment enclosure comprising a base and cover. The enclosure is manufactured from cast aluminium with an epoxy paint finish. The enclosure cover contains a circular tempered glass window. The enclosure may have up to four conduit openings with entry sizes selected from ½" NPT, ¾" NPT, ½" BSP or M20x1.5.

The PD8 series are available in 85- 265 V a.c. (90 - 264 V d.c.) 12/24 V d.c. and 12 - 24 V a.c. (12 - 36 V d.c.) models.

## Conditions of manufacture

The Manufacturer shall comply with the following:

1. The products covered by this certificate incorporate previously certified devices, it is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform Sira of any modifications of the devices that may impinge upon the explosion safety design of their products.

**SPECIFIC CONDITIONS OF USE: NO**



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## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

**Issue 1** – this Issue introduced the following change:

- 1 The company address was changed from 89 October Hill Road, STE 5, Holliston, Massachusetts 01746-1378, USA to 233 South Street, Hopkinton, Massachusetts 01748, USA.