



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX SIR 12.0073** issue No.:1

Status: **Current**

Certificate history:
Issue No. 1 (2016-3-10)
Issue No. 0 (2012-8-30)

Date of Issue: **2016-03-10** Page 1 of 4

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

Electrical Apparatus: **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 IIIC 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:

2016-03-10

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 the Official IECEx Website.

Certificate issued by:

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

sira
CERTIFICATION





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

Additional Manufacturing location
(s):

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 electrical apparatus 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 electrical 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 Report:

GB/SIR/ExTR12.0206/00

GB/SIR/ExTR16.0046/00

Quality Assessment Report:

GB/SIR/QAR10.0005/01



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Schedule

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 cm³, 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 1/2" NPT, 3/4" NPT, 1/2" 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.

CONDITIONS OF CERTIFICATION: 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.