



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 12ATEX1182** Issue: **1**

4 Equipment: **PD8 Series Device**

5 Applicant: **Precision Digital Corp**

6 Address: 233 South Street
Hopkinton
Massachusetts 01748
USA

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2009

EN 60079-1:2007

EN 60079-31:2009

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 2GD

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

Project Number 70064949

A G Boyes
Certification Support Officer

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Sira Certification Service

Unit 6, Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom



SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 12ATEX1182
Issue 1

13 DESCRIPTION OF EQUIPMENT

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. (90-265 V d.c.), 12/24 V d.c., and 12-24 V a.c. (12-36 V d.c.) models.

Variation 1 - This variation introduced the following changes:

- i. 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.
- ii. A typographical error in the standards was corrected.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	08 August 2012	R24911A/00	The release of the prime certificate.
1	10 March 2016	R70064949A	The introduction of Variation 1.

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

None

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 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.

Certificate Annexe



Certificate Number: Sira 12ATEX1182
Equipment: PD8 Series Device
Applicant: Precision Digital Corp

Issue 0

Drawing	Sheets	Rev	Date (Sira stamp)	Title
DW2168	1 to 17	A	07 Aug 2012	ATEX/IECEx certification drawing

Issue 1 No new drawings were introduced.

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Sira Certification Service

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