



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 10ATEX8243X** Issue: **2**

4 Equipment: **Unipoint Gas Sensing Controller**

5 Applicant: **Honeywell Analytics Limited**

6 Address: Hatch Pond House
4 Stinsford Road
Nuffield Estate
Poole
Dorset
UK

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

8 CSA Group Netherlands B.V., Notified Body Number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 60079-29-1:2007

BS EN 50271:2002

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-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 (2)/2 GD

Note: This Equipment is regarded as a Safety Device, therefore the marking designates that the device in the safe area has outputs to Category 2 devices located in the hazardous area that are suitable for use with flammable gasses and dusts.

Project Number 2506

Signed:

Title: Director of Operations

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CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 10ATEX8243X
Issue 2

13 DESCRIPTION OF EQUIPMENT

This Unipoint Gas Sensing Controller is regarded as a Safety Device in accordance with Directive 94/9/EC, Annex II, section 1.5 (Safety Devices) and is used to monitor toxic and flammable gas, such as methane or propane, for explosion protection in industrial applications. This EC Type – Examination Certificate therefore confirms that this Equipment with a measuring function range for combustible gases up to 100% of the lower explosive limit (LEL) has been satisfactorily subjected to performance testing in accordance with the relevant parts of BS EN 60079-29-1:2007 and that software used with product complies with BS EN 50271:2002, the certificate encompassing the following devices and software:

Safe Area Devices

Unipoint Gas Sensing Controller: this is a single channel, DIN rail mounted controller with facilities allowing it to provide outputs to gas detectors located in the hazardous area, the software used in this Controller (specified as "MA and MV Source code, V 6.04") allows it to communicate with the gas detectors. The Unipoint controller can accept (4-20mA) or mV inputs, depending on the attached device installed in the hazardous area.

Hazardous Area Devices

Sensepoint Gas Detector Head (Baseefa 08ATEX0265X issued on 16 January 2009) and Sensepoint HT Gas Detector Head (Baseefa 08ATEX0264X issued on 7 July 2009): these are single channel, combustible gas sensors with mV outputs and are approved for use with Category 2 hazardous gases and Category 2 flammable dusts. They both use the same technology operating on the principle of catalytic combustion, the HT heads being adapted for use in an extended temperature range, in addition, they are designated for 'Group II', fixed installation and continuous duty as defined in BS EN 60079-29-1. Each sensor is calibrated for a single measuring range for flammable gas between 0 to 100 % of the lower explosion limit (LEL). The Sensepoints Gas Detector heads were tested against methane, propane and hydrogen flammable gases as stated in report (N0613).

Signalpoint Gas Sensors (Baseefa 98ATEX2085X issued on 21 August 1998) is a combustible gas sensor with mV outputs and approved for use with Category 2 hazardous gases. It uses the same technology operating on the principle of catalytic combustion and it is designated for 'Group II', fixed installation and continuous duty as defined in BS EN 60079-29-1. The Signalpoint sensor is calibrated for a single measuring range for flammable gas between 0 to 100 % of the lower explosion limit (LEL). To verify the product performance to the latest standard BS EN 60079-29-1, a comparison has been conducted by Sira, internal report (RPT-01). This confirms that no work was required to meet the BS EN 60079-29-1 since all tests were covered by BS EN 50054 and EN 50057. The Signalpoint was tested to cover wide range of combustible flammable gases, such as: n-butane, methane, ethane, propylene, ethanol, n-hexane, propane hydrogen, ethylene, propan-2-ol, ethyl acetate, p-xylene, butanone, methanol, 1, 2 epoxypropane, toluene, unleaded petrol, as stated in Sira report (R43A9802A).

The Signalpoint and Sensepoint Combustible Gas Detector Heads have previously been subjected to performance and relative response tests in accordance with EN 50054 and 50057 under certificates, Sira 03ATEX1115X and Sira 03ATEX1116X respectively. These certificates were issued under the manufacturer's previous name: Zelweger Analyticals Ltd. The Unipoint DIN controller was not specified as the main power controller interfaced to these products.



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14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	30 November 2010	N 0613 51A19485 R23364A/00	The release of the prime certificate. <ul style="list-style-type: none">• Report N 0613 dated March 2010 covers all tests required by BS EN 60079-29-1 (EMC test 5.4.11 omitted).• Report 51A19485 status v1.0 examines the software documentation as required by BS EN 50271.• Report R23364A/00 assesses the Unipoint Gas Sensing Controller with the Signalpoint Gas Sensors (Baseefa98ATEX2085X)
1	14 December 2010	R23364A/01	R23364A/01 was issued to replace R23364A/00 to clarify the report description and special conditions for safe use.
2	15th October 2019	2506	<ul style="list-style-type: none">• Transfer of certificate Sira 10ATEX8243X from Sira Certification Service to CSA Group Netherlands B.V..• EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, EC Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i>

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

15.1 The user/installer shall comply with the following environmental restrictions that apply to the use of this equipment, as stated in the product manual.

Temperature (Equipment):	-10°C to 40°C
Temperature (Standard combustible sensor):	-40°C to 80°C
Temperature (High temperature sensor):	-55°C to 150°C
Humidity:	10% to 90%
Pressure:	90 kPa to 110 kPa

15.2 The user/installer shall install these products taking into account any restrictions or special conditions for safe use that are applicable to the previously certified devices that are used in their construction.

15.3 The Sensepoint and the Signalpoint Gas detectors shall be powered from Unipoint DIN controller.

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.

Certificate Annexe



Certificate Number: Sira 10ATEX8243X
Equipment: Unipoint Gas Sensing Controller
Applicant: Honeywell Analytics Limited

Issue 0

Number	Sheet	Rev.	Date (Sira stamp)	Description
2306B2000UP	1 of 1	1 (mod 2)	12 Aug 10	Unipoint mV version Unpacked (list of mtrl)
2306B1000UP	1 of 1	1 (mod 2)	12 Aug 10	Unipoint mA version Unpacked (list of mtrl)
2306D0702_3	1 of 1	3	10 Oct 10	mA Right side label PN: 2306B1000
2306D0701_3	1 of 1	3	10 Oct 10	Left side label
2306D0704_3	1 of 1	3	10 Oct 10	mV Right side label PN: 2306B2000
2306B2000_SN	1 of 1	0	1 Nov. 2010	Product label

Issue 1 (No new drawings were introduced.)

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