



EC TYPE-EXAMINATION CERTIFICATE

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

Certificate Number: **Sira 10ATEX8243X** Issue: **0**

Equipment: **Unipoint Gas Sensing Controller**

Applicant: **Honeywell Analytics Limited**

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

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

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.

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

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.

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.

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 22525
C. Index 14

C Ellaby
Certification Officer

This certificate and its schedules may only be reproduced in its entirety and without change.



SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 10ATEX8243X
Issue 0

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 that has connection 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 communication with the gas detectors.

Hazardous Area Devices

Sensepoint Gas Detector Head (Baseefa08ATEX0265X issued on 16 January 2009) and Sensepoint HT Gas Detector Head (Baseefa08ATEX0264X issued on 7 July 2009): these are single channel, combustible gas sensors with mV outputs and are approved for use with Category 2 flammable 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).



SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 10ATEX8243X
Issue 0

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

| Issue | Date | Report no. | Comment |
|-------|------------------|--------------------|---|
| 0 | 9 September 2010 | N 0613 51A19485 | 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 |

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 (sensor) -55°C to 80°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.

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 the following 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

| Product | Manufacturer | Certificate no. |
|---------------------------------|------------------------|--------------------|
| Sensepoint HT Gas Detector Head | Honeywell Analysis Ltd | Baseefa08ATEX0264X |
| Sensepoint Gas Detector Head | Honeywell Analysis Ltd | Baseefa08ATEX0265X |

17.4 The manufacturer shall take all reasonable steps to ensure that the user/installer complies with the special conditions for safe use associated with the Unipoint Gas Sensing Controller, in addition, the manufacturer shall provide the user/installer with an appropriate copy of the certificate for each certified device that is fitted to the Controller.

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

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Web: www.siracertification.com

Certificate Annexe

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



Issue 0

| Number | Sheet | Rev. | Date (Sira stamp) | Description |
|-------------|--------|-----------|-------------------|------------------------------|
| 2306B200UP | 1 of 1 | 1 (mod 2) | 12 Aug 10 | Unipoint mV version Unpacked |
| 2306B100UP | 1 of 1 | 1 (mod 2) | 12 Aug 10 | Unipoint mA version Unpacked |
| 2306D0702-3 | 1 of 1 | 3 | 09 Sep 10 | Part No: 2306B1000 |
| 2306D0704-3 | 1 of 1 | 3 | 09 Sep 10 | Part No: 2306B2000 |

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EC TYPE-EXAMINATION CERTIFICATE

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

Certificate Number: **Sira 10ATEX8243X** Issue: **1**

Equipment: **Unipoint Gas Sensing Controller**

Applicant: **Honeywell Analytics Limited**

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

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

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.

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

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.

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.

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 22525 and 23364
C. Index 14

C Ellaby
Certification Officer

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 10ATEX8243X
Issue 1

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 manufactures previous name: Zelweger Analyticals Ltd. The Unipoint DIN controller was not specified as the main power controller interfaced to these products.



SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 10ATEX8243X
Issue 1

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. |

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.



SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 10ATEX8243X
Issue 1

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 the following 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

| Product | Manufacturer | Certificate no. |
|---------------------------------|------------------------|---------------------|
| Sensepoint HT Gas Detector Head | Honeywell Analysis Ltd | Baseefa08ATEX0264X |
| Sensepoint Gas Detector Head | Honeywell Analysis Ltd | Baseefa08ATEX0265X |
| Signalpoint Gas sensor | Honeywell Analysis Ltd | Baseefa 98ATEX2085X |

- 17.4 The manufacturer shall take all reasonable steps to ensure that the user/installer complies with the special conditions for safe use associated with the Unipoint Gas Sensing Controller, in addition, the manufacturer shall provide the user/installer with an appropriate copy of the certificate for each certified device that is fitted to the Controller.

Certificate Annexe

Certificate Number: 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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