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 UL 08.0013X	Issue No: 6	**Certificate history:**
			Issue No. 6 (2016-03-08)
Status:	**Current**	Page 1 of 4	Issue No. 5 (2012-08-31)
			Issue No. 4 (2011-07-21)
Date of Issue:	**2016-03-08**		Issue No. 3 (2011-05-16)
			Issue No. 2 (2011-03-17)
Applicant:	**Honeywell Analytics Ltd.**		Issue No. 1 (2009-07-13)
	Hatch Pond House		Issue No. 0 (2008-11-14)
	4 Stinsford Road		
	Nuffield Estate		
	Poole, Doret		
	BH17 ORZ		
	United Kingdom		

Electrical Apparatus: **Sensor Cartridge and Remote Sensor Accessory**

Optional accessory:

Type of Protection: **Intrinsic Safety "ia"**

Marking:

Ex ia IIC T4 Ga

Ex ia IIIC T135°C Da

-40°C to +55°C

*Approved for issue on behalf of the IECEx
Certification Body:*

Katy A. Holdredge

Position:

Senior Staff Engineer

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 the Official IECEx Website.

Certificate issued by:

**UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America**

Manufacturer: **Honeywell Analytics Ltd.**
Hatch Pond House
4 Stinsford Road
Nuffield Estate
Poole, Doret
BH17 ORZ
United Kingdom

Additional Manufacturing
location(s):

Jianhui Plastic & Electronic Industry
(Shenzhen) Co. Ltd.
Guanlan Town
Baoan District
Shenzhen
P R China 51
China

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 : 2011
Edition:6.0
Explosive atmospheres - Part 0: General requirements

IEC 60079-11 : 2011
Edition:6.0
Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

IEC 60079-26 : 2006
Edition:2
Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga

*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:

US/UL/ExTR08.0017/06

Quality Assessment Report:

GB/BAS/QAR07.0043/05   GB/BAS/QAR07.0050/05

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Toxic/Oxygen serviceable sensor module plugs into the output socket of the Series 3000 XPIS and MKII gas detector or XNX Universal Transmitter. The sensor assembly consists of three boards: Sensor Main Board, Connector Board and one of the following: Bias Sensor Board, 02 Sensor Board and Toxic Sensor Board.

See Annex for additional information.

CONDITIONS OF CERTIFICATION: YES as shown below:

The enclosure of the remotely mounted sensor contains aluminium. Care must be taken to avoid ignition hazards due to impact or friction when installed in Zone 0 Location

The S3KX*****/XNXX***** series EC Cartridges have a permissible ambient temperature range of -40°C to +55°C. This ambient range applies regardless of remote mounting or transmitter mounting, but in the case of transmitter mounting, the worst case ambient range of the combination must be observed in the installation. Additionally, the ambient temperature range of -40°C to +55°C applies from an intrinsic safety standpoint only and may not account for recommended operating ranges of certain sensors within this range as detailed in Section 17 of the product manual.

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1: The purpose to issue this certificate is to add additional sensor model numbers. The new model numbers are only used to identify the transmitter model used with the sensor. No safety related changes were made to the devices. The new sensors are identical to the previously evaluated sensors. The only change is the model number to specify use with the XNX Universal Transmitter, the new model numbers begin with "XNX" rather than "S3K".

Issue 2: The purpose of this issue is to update the controlled drawing to reflect changes to non-protective components on the main sensor board. No safety related changes were made to the devices.

Issue 3: The purpose of this issue is to revise the Certificate to include additional sensors that were evaluated but not included in the previous issue. Also, to make administrative corrections. No safety related changes were made to the devices.

Issue 4: Update ambient temperature range from -20°C to -40°C.

Issue 5: Group IIIC Coverage was added.

Issue 6: Addition of Part Numbers S3KXSU1SS/XNXXSU1SS and S3KXSE1SS/XNXXSE1SS and update to IEC 60079-0 Ed.6.

Annex:

Annex to IECEx UL 08.0013X Issue 6.pdf

Annex to IECEx UL 08.0013X Issue 6
Applicant: Honeywell Analytics Ltd.

The sensor assembly is provided with one of the following sensors:

Series 3000 XPIS and MKII sensor Module Part Nos.:
S3KXSO1SS, S3KXSC1SS, S3KXSH1SS, S3KXSH2SS, S3KXSL1SS, S3KXSZ1SS, S3KXSS1SS, S3KXSX1SS, S3KXSM1SS, S3KXSN1SS, S3KXSG1SS, S3KXSG2SS, S3KXSR1SS, S3KXSY1SS, S3KXSF1SS, S3KXSA1SS, S3KXSA2SS, S3KXSP1SS, S3KXH3SS, S3KXSS2SS, S3KXSL2SS S3KXSU1SS, S3KXSE1SS.

XNX Sensor Part Nos.:
XNXXSO1SS, XNXXSC1SS, XNXXSH1SS, XNXXSH2SS, XNXXSL1SS, XNXXSZ1SS, XNXXSS1SS, XNXXSX1SS, XNXXSM1SS, XNXXSN1SS, XNXXSG1SS, XNXXSG2SS, XNXXSR1SS, XNXXSY1SS, XNXXSF1SS, XNXXSA1SS, XNXXSA2SS, XNXXSP1SS, XNXXSH3SS, XNXXSS2SS, XNXXSL2SS, XNXXSC1FM, XNXXSH1FM, XNXXSO1FM, XNXXSU1SS, XNXXSE1SS.

Each unique sensor is used to measure the concentration of non-combustible gases such as CO, H2S, O2 etc. Intrinsically safe Remote Sensor Part No. S3KRMK may be remotely mounted in a Category 1, (Zone 0) hazardous location.