



# 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](http://www.iecex.com)

Certificate No.: IECEx UL 11.0010X issue No.:3  
Status: **Current**  
Date of Issue: **2015-07-01** Page 1 of 4

Certificate history:  
Issue No. 3 (2015-7-1)  
Issue No. 2 (2012-10-19)  
Issue No. 1 (2011-11-22)  
Issue No. 0 (2011-10-24)

Applicant: **Honeywell Analytics Inc.**  
405 Barclay Boulevard  
Lincolnshire, IL 60069  
**United States of America**

Electrical Apparatus: **Series 3000 MkIII Gas Detector**  
Optional accessory:

Type of Protection: **Dust "Da" , 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:

Paul T. Kelly

Position:

Principal Engineer, Global Hazardous Locations

Signature:  
(for printed version)

Date:

2015-07-01

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](http://www.iecex.com).

Certificate issued by:

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





# IECEx Certificate of Conformity

Certificate No.: IECEx UL 11.0010X

Date of Issue: 2015-07-01

Issue No.: 3

Page 2 of 4

Manufacturer: **Sensung Co. Ltd.**  
743-103, Eoro-2-ri, Buksam-eup  
Chilgok-gun, Gyeongsangbuk-do  
Korea, Republic of

Additional Manufacturing location  
(s):

**Honeywell Analytics Ltd.**  
Chonan Factory 56  
Chaam-dong, Cheonan-City  
Choongcheongnam-do, 330-  
200  
Korea, Republic of

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:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-11 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-26 : 2006</b> 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/ExTR11.0011/00  
US/UL/ExTR11.0011/03

US/UL/ExTR11.0011/01

US/UL/ExTR11.0011/02

##### Quality Assessment Report:

NL/DEK/QAR12.0080/01

NL/DEK/QAR12.0081/01



# IECEX Certificate of Conformity

Certificate No.: IECEx UL 11.0010X

Date of Issue: 2015-07-01

Issue No.: 3

Page 3 of 4

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Series 3000 MkIII Gas Detectors are intrinsically safe devices with intrinsically safe outputs. A sensor plugs into the output socket. The main unit is evaluated for use in Zone 0 and Zone 20 Hazardous Locations.

### CONDITIONS OF CERTIFICATION: YES as shown below:

The enclosure is composed of aluminum. Care must be taken to avoid ignition hazards due to impact of friction when installed in the Zone 0 location.

For installations in which both the Ci and Li of the intrinsically safe apparatus exceed 1% of the Co and Lo parameters of the associated apparatus (excluding the cable), then 50% of Co and Lo parameters are applicable and shall not be exceeded. The reduced capacitance of the external circuit (including cable) shall not be greater than 600 nF for Group IIC.



# IECEx Certificate of Conformity

Certificate No.: IECEx UL 11.0010X

Date of Issue: **2015-07-01**

Issue No.: **3**

Page 4 of 4

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

Issue 1: Revision to Label Drawing.

Issue 2: Addition of Zone 20 Dust coverage and updated certificate to IEC 60079-11 Edition 6. Also, additional manufacturing locations were added.

Issue 3: Updating to Edition 6 of IEC 60079-0.