



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 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





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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:

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/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



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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.



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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.