IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx UL 25.0011X** Page 1 of 4 Certificate history:

Status: **Current** Issue No: 0

Date of Issue: 2025-06-09

Applicant: **Honeywell Co., Ltd.**
5F SangAm IT Tower, 434, Worldcup Buk-ro, Mapo-gu,
Seoul 03922
Korea, Republic of

Equipment: **Fixed Gas Detection System: Transmitter (with Optional Antenna), Sensor Modules, and Communication Port: Models OmniPoint Universal Transmitter: OPT-C-*-*-*-*-* , OmniPoint XP Sensor Module, OmniPoint XPIS Sensor Module, OmniPoint Local HART Interface.**

Optional accessory:

Type of Protection: **Flameproof "db", Intrinsic Safety "ia", Dust Ignition Protection by Enclosure "tb"**

Marking: OmniPoint Universal Transmitter :

Ex db ia IIC T5 Gb

Ex ia tb IIIC T100°C Db

OmniPoint XP Sensor Module :

Ex db IIC T5 Gb

Ex tb IIIC T100°C Db

OmniPoint XPIS Sensor Module :

Ex db ia IIC T4 Gb

Ex ia tb IIIC T163°C Db

OmniPoint Local HART Interface :

Ex db [ia IIC Ga] IIC T6 Gb

Ex tb [ia IIIC Da] IIIC T85°C Db

Approved for issue on behalf of the IECEx Certification Body: **Katy A. Holdredge**

Position: **Senior Staff Engineer**

Signature:
(for printed version)

Date:
(for printed version)

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 www.iecex.com or use of this QR Code.

Certificate issued by:

UL Solutions (US)
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America

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$-55°C \leq T_{amb} \leq +75°C$

$-40°C \leq T_{amb} \leq +75°C$ (for OmniPoint XP Sensor Module with Appleton Kwiko™ A cement)

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Manufacturer: **Honeywell Co., Ltd.**
5F SangAm IT Tower, 434, Worldcup Buk-ro, Mapo-gu,
Seoul 03922
Korea, Republic of

Manufacturing locations:

Honeywell Analytics Inc
405 Barclay Boulevard
Lincolnshire, IL 60069
United States of America

Honeywell Analytics Ltd.
Hatchpond House,
4 Stinsford Road Nuffield Estate,
Poole, Dorset, BH17 ORZ
United Kingdom

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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

IEC 60079-31:2022 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with 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/ExTR25.0012/00

Quality Assessment Reports:

GB/BAS/QAR08.0002/12 GB/SIR/QAR11.0027/10 NL/DEK/QAR18.0005/05

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The OmniPoint Universal Transmitter is a fixed transmitter provided with a “db” and “tb” enclosure with glass window. The enclosure may be provided with a permanently installed “ia” antenna that provides increased range for the Bluetooth communication. All unused threaded holes in the enclosure are closed with metallic blanking elements. The OmniPoint Universal Transmitter is intended to be connected to sensors for the detection of toxic, oxygen, and flammable (combustible) gas hazards.

The OmniPoint XP Sensor Module is a fixed gas detector provided with a “db” and “tb” enclosure with sintered metal filter. The OmniPoint XPIS Sensor Module is a fixed gas detector provided with a “db” and “tb” enclosure and “ia” electrochemical gas sensor module. The devices are for use only with the OmniPoint Universal Transmitter. The devices are intended to be either directly installed in a 3/4”-14 NPT or M25 x 1.5 - 6H threaded hole in the OmniPoint Universal Transmitter enclosure or remotely installed into a threaded hole in a separately certified and suitably rated “db”, “eb” or “tb” enclosure, as appropriate.

The OmniPoint Local HART Interface is a fixed communication port with “db” and “tb” enclosure that provides “ia” outputs. The device is intended only for use with the OmniPoint Universal Transmitter and are to be directly installed in a 3/4”-14 NPT or M25 x 1.5 - 6H threaded hole in the OmniPoint Universal Transmitter enclosure.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Do not repair flameproof joints.
- Potential Electrostatic Discharge – Clean product only with a damp cloth.
- For OmniPoint XPIS Sensor Module and Local HART Interface: A connection to earth at the equipment is required. Does not meet the 500V rms dielectric requirement between the IS circuit and earth.

Annex:

Annex to IECEx UL 25.0011X Issue 0.pdf

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TYPE DESIGNATION

Nomenclature for the OmniPoint Universal Transmitter:

OPT	-	C	A	T	-	B	M	H
I		II	III	IV		V	VI	VII

I. OPT – Basic Model

II. C – Certifications

III. A – Aluminum Enclosure
S – Stainless Steel Enclosure

IV. T – 3/4”-14 NPT Supply Connections
M – M25 Supply Connections

V. B – BLE (Bluetooth Module, Includes Antenna)
N – None

VI. M – Modbus Communication
N – None

VII. H – Local HART Communication
N - None

PARAMETERS RELATING TO THE SAFETY

OmniPoint Universal Transmitter :

12 - 32 VDC, 17 W max, Um of 250 VAC

OmniPoint XP Sensor Module :

12 – 32 VDC, 1.7 W max

OmniPoint XPIS Sensor Module :

12 – 32 VDC, 0.3 W max, Um of 250 VAC

OmniPoint Local HART Interface :

12 – 32 VDC, 0.55 W max, Um of 250 VAC

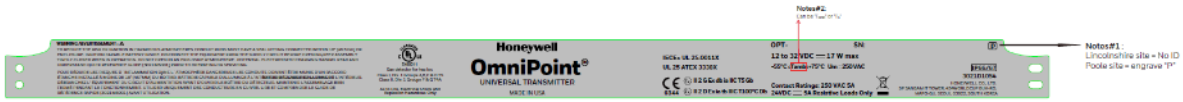
Intrinsic Safety Entity Parameters :

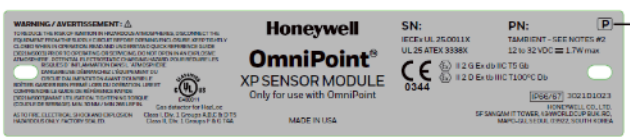
Connection Name	Uo (V)	Io (mA)	Po (W)	Co (µF)	Lo (µH)
J2	5.88	127	0.19	43	2204
	Ui (V)	Ii (µA)	Ci (µF)	Li (µH)	Pi (W)
J2	5.32	112	0	0	-

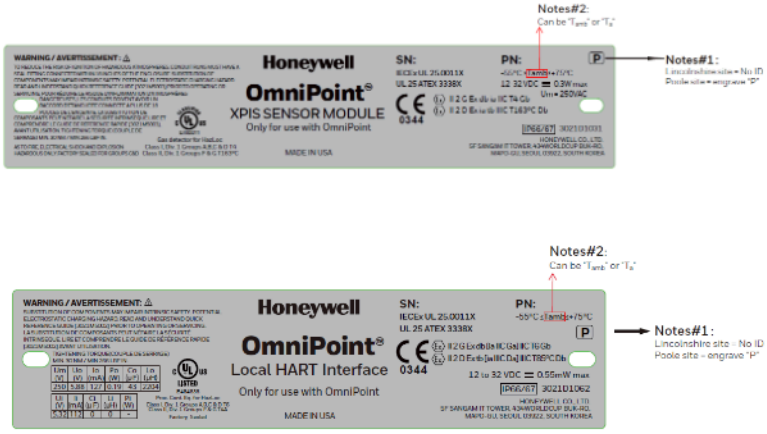
MARKING

Marking has to be readable and indelible; it has to include the following indications:









ROUTINE EXAMINATIONS AND TESTS

For the OmniPoint Local HART Interface:

The manufacturer shall ensure that dielectric strength tests to the infallible transformers, T1, on the Hart Port board are conducted in accordance with Clause 11.2 of IEC 60079-11. The test voltages shall be in accordance with the table below. There shall be no breakdown of the insulation between windings or between any winding and the core.

Where Applied	Test Voltage (V rms)	Test Minimum Time (seconds)	Alternate Test Voltage (V rms)	Alternate Test Minimum Time (seconds)
Between primary and secondary windings	1,500	60	1,800	1