CERTIFICATE OF COMPLIANCE

Certificate Number	20180913-E480011
Report Reference	E480011-20180907
Issue Date	2018-SEPTEMBER-13
Issued to:	HONEYWELL ANALYTICS ASIA PACIFIC CO LTD 7F SangAm IT Tower 434 World Cup Buk-ro Mapo-gu Seoul 03922 KOREA
This is to certify that representative samples of	GAS AND VAPOR DETECTION EQUIPMENT FOR USE IN HAZARDOUS LOCATIONS; GAS AND VAPOR DETECTION EQUIPMENT FOR USE IN ZONE CLASSIFIED HAZARDOUS LOCATIONS See Addendum Page for Models/Product Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	See Addendum Page for Standard Number and Title
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

USC, CNC – Class I, Groups A, B, C and D

Gas detector, Model(s) BW Ultra, Part No. HU, followed by X1 or 00, followed by W1, W2, W3 or 00, followed by H1 or 00, followed by M1 or 00, followed by Q1, W4, B1, S1, A1, R1, C1, D1, Z1, N1, M2 or 00, followed by Y or B, followed by any letter. It is intrinsically safe when used with battery pack Part No. 50122982-130.

USC – Class I, Zone 0 AEx ia IIC

Gas detector, Model(s) BW Ultra, Part No. Part No. HU, followed by X1 or 00, followed by 00, followed by H1 or 00, followed by M1 or 00, followed by Q1, W4, B1, S1, A1, R1, C1, D1, Z1, N1, M2 or 00, followed by Y or B, followed by any letter. It is intrinsically safe when used with battery pack Part No. 50122982-130.

USC - Class I, Zone 0 AEx da ia IIC
Gas detector, Model(s) BW Ultra, Part No. HU, followed by X1 or 00, followed by W1, W2, W3, followed by H1 or 00, followed by M1 or 00, followed by Q1, S1, A1, R1, C1, D1, Z1, N1, M2 or 00, followed by Y or B, followed by any letter. It is intrinsically safe when used with battery pack Part No. 50122982-130.

CNC – Ex ia IIC
Gas detector, Model(s) BW Ultra, Part No. Part No. HU, followed by X1 or 00, followed by 00, followed by H1 or 00, followed by M1 or 00, followed by Q1, W4, B1, S1, A1, R1, C1, D1, Z1, N1, M2 or 00, followed by Y or B, followed by any letter. It is intrinsically safe when used with battery pack Part No. 50122982-130.

CNC - Ex da ia IIC
Gas detector, Model(s) BW Ultra, Part No. HU, followed by X1 or 00, followed by W1, W2, W3, followed by H1 or 00, followed by M1 or 00, followed by Q1, S1, A1, R1, C1, D1, Z1, N1, M2 or 00, followed by Y or B, followed by any letter. It is intrinsically safe when used with battery pack Part No. 50122982-130.

Standards for Safety:
UL 913, Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations;
UL 60079-0 and CSA-C22.2 No. 60079-0:11, Explosive atmospheres – Part 0: Equipment – General requirements;
UL 60079-1, Explosive Atmospheres - Part 1: Equipment Protection By Flameproof Enclosures 'D';
UL 60079-11 and CSA-C22.2 No. 60079-11:14, Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i”;
ISA 60079-29-1, Explosive Atmospheres – Part 29-1: Gas detectors – Performance Requirements of Detectors For Flammable Gasses;

Bruce Mahrenholz, Director North American Certification Program

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CSA C22.2 No. 152-M1986, Combustible Gas Detection Instruments;
CSA-C22.2 No. 60079-1:16, Electrical Apparatus For Explosive Gas Atmospheres – Part 1: Flameproof Enclosures 'D'

Bruce Mahrenholz, Director North American Certification Program

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