

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20190523-E180059  
**Report Reference** E180059-20190517  
**Issue Date** 2019-MAY-23

**Issued to:** Draeger Safety AG & Co. KGaA  
Revalstrasse 1  
23560 Luebeck GERMANY

**This certificate confirms that  
representative samples of**

GAS AND VAPOR DETECTION EQUIPMENT FOR USE  
IN HAZARDOUS LOCATIONS

Refer Addendum page for Models/Product

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:**  
**Additional Information:**

Refer Addendum Page for Standards for Safety

See the UL Online Certifications Directory at  
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

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.

## Models/Product:

USC, CNC – Explosion-proof Gas Detection Transmitters, Associated Apparatus, Class I, Division 1, Groups C, D; Class II, Division 1, Groups E, F, G Hazardous Locations.

Series OTR 00, followed by 0 thru 8, followed by 3, 4 or 5 providing intrinsically safe circuits for use in Class I, Division 1, Groups A, B, C, D; Class II, Division 1, Groups E, F, G Hazardous Locations when installed in accordance with Control Drawing SE26114-01

USC, CNC – Pulsar Interface Adapter, model HAC 0000, Class I, Division 1, Groups A, B, C, D Hazardous Locations, intrinsically safe when used with 3 Renata CR2450N cells and installed in accordance with Control Drawing SE26114-01.

## Standards for Safety:

UL 61010-1 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements

CAN/CSA C22.2 NO. 61010-1-12-CAN/CSA - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use. Pt.1, General Requirements

UL 50E - ENCLOSURES FOR ELECTRICAL EQUIPMENT, ENVIRONMENTAL CONSIDERATIONS

UL 50 - ENCLOSURES FOR ELECTRICAL EQUIPMENT, NON-ENVIRONMENTAL CONSIDERATIONS

CSA C22.2 NO. 94.2-15 - ENCLOSURES FOR ELECTRICAL EQUIPMENT, ENVIRONMENTAL CONSIDERATIONS

CSA C22.2 NO. 94.1.15 - ENCLOSURES FOR ELECTRICAL EQUIPMENT, NON-ENVIRONMENTAL CONSIDERATIONS

UL 913 - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations

CAN/CSA C22.2 No. 157-92 - Intrinsically Safe and Non-incendive Equipment for Use in Hazardous Locations

UL 1203 - STANDARD FOR EXPLOSION-PROOF AND DUST-IGNITION-PROOF ELECTRICAL EQUIPMENT FOR USE IN HAZARDOUS (CLASSIFIED) LOCATIONS

CSA C22.2 NO. 25 - ENCLOSURES FOR USE IN CLASS II, DIVISION 1, GROUPS E, F, AND G HAZARDOUS LOCATIONS

CSA C22.2 NO. 30-M1986 - EXPLOSION-PROOF ENCLOSURES FOR USE IN CLASS I HAZARDOUS LOCATIONS

CSA C22.2 NO. 60079-29-4 - EXPLOSIVE ATMOSPHERES - PART 29-4: GAS DETECTORS - PERFORMANCE REQUIREMENTS OF OPEN PATH DETECTORS FOR FLAMMABLE GASES



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