



# Certificate of Compliance

<b>Certificate:</b>	2518052	<b>Master Contract:</b>	160220
<b>Project:</b>	80206134	<b>Date Issued:</b>	2025-06-18
<b>Issued to:</b>	<b>Draeger Safety AG &amp; Co. KGaA Revalstrasse 1 Luebeck, Schleswig-Holstein 23560 Germany</b>	<b>Issued by:</b>	<i>Konstantin Rybalko</i> Konstantin Rybalko

**Attention:** Christoph Kutzner

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



## **PRODUCTS**

Class 4828 01 SIGNAL APPLIANCES - Combustible Gas Detection Instruments - For Hazardous Locations

Class 4828 02 SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations

Class 4828 81 SIGNAL APPLIANCES - Combustible Gas Detection Instruments - For Hazardous Locations - Certified to US Standards

Class 4828 82 SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations - Certified to US Standards

Model(s)

XTR, ITR, ETR, RCU, EDS

**CLASS 4828 01 - SIGNAL APPLIANCES - Combustible Gas Detection Instruments - For Hazardous Locations**



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**Class I, Div. 1, Groups A, B, C and D;  
Ex db IIC T6/T4 Gb**

Model XTR 020\* transmitter and Model XTR 030\* transmitter, stationary, input rated 10 to 30 DC, 5W, output rated 4-20mA. For use with integral IDS0002 sensor or with remote junction box EAC 01\*\* with integral IDS0002 sensor. Sensor may be used with splash guard P/N 68 10 796 and calibration adapter P/N 68 10 859.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 65°C.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

Model XTR 040\* transmitter and Model XTR 050\* transmitter, stationary, input rated 10 to 30 DC, 5W, output rated 4-20mA. For use with integral IDS0002 sensor or with remote junction box EAC 01\*\* with integral IDS0002 sensor. Sensor may be used with splash guard p/n 68 10 796 and calibration adapter p/n 68 10 859.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 65°C.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

Model XTR 021\* transmitter and Model XTR 031\* transmitter, stationary, input rated 10 to 30 DC, 4W, output rated 4-20mA. For use with integral XDS 0200 sensor with splash guard P/N 68 12 510 or with remote junction box EAC 01\*\* with integral XDS 0200 sensor with splash guard P/N 68 12 510.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relay contacts rated 230Vac, 5A resistive, 30Vdc/5A

**Class I, Div. 1, Groups B, C and D;  
Class II, Div. 1, Groups E, F and G;  
Ex db IIC T6/T4 Gb;  
Ex tb IIIC T80/130°C Db**

Model ITR 021\* transmitter and Model ITR 031\* transmitter, stationary, input rated 10 to 30 DC, 9W, output rated 4-20mA. For use with integral IDS0101 sensor or with remote junction box EAC 01\*\* with integral IDS0101 sensor. Sensor may be used with splash guard, flow cell and bump test adapter.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

Model ITR 022\* transmitter and Model ITR 032\* transmitter, stationary, input rated 10 to 30 DC, 9W, output rated 4-20mA. For use with integral IDS0102 sensor or with remote junction box EAC 01\*\* with integral IDS0102 sensor. Sensor may be used with splash guard, flow cell and bump test adapter.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

**Class I, Div. 1, Groups A, B, C and D;  
Class II, Div. 1, Groups E, F and G;  
Ex db IIC T6/T4 Gb;  
Ex tb IIIC T80/130°C Db**

Model RCU 02\*\* and RCU 03\*\* Remote Control Units, stationary, input rated 10 to 30 V dc, 9 W; output 4 - 20 mA with no integral sensor or with remote junction box EAC 01\*\* with integral sensor.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \*\* is \*0 = 4-20mA

When \*\* is \*1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A



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**CLASS 4828 81 - SIGNAL APPLIANCES - Combustible Gas Detection Instruments - For Hazardous Locations - CERTIFIED TO U.S. REQUIREMENTS**

**Class I, Div. 1, Groups A, B, C and D**

Model XTR 021\* transmitter and Model XTR 031\* transmitter, stationary, input rated 10 to 30 DC, 4W, output rated 4-20mA. For use with integral XDS 0200 sensor with splash guard P/N 68 12 510 or with remote junction box EAC 01\*\* with integral XDS 0200 sensor with splash guard P/N 68 12 510.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relay contacts rated 230Vac, 5A resistive, 30Vdc/5A

**Class I, Div. 1, Groups B, C and D;**

**Class II, Div. 1, Groups E, F and G**

Model ITR 021\* transmitter and Model ITR 031\* transmitter, stationary, input rated 10 to 30 DC, 9W, output rated 4-20mA. For use with integral IDS 0101 sensor or with remote junction box EAC 01\*\* with integral IDS 0101 sensor. Sensor may be used with splash guard, flow cell and bump test adapter.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

Model ITR 022\* transmitter and Model ITR 032\* transmitter, stationary, input rated 10 to 30 DC, 9W, output rated 4-20mA. For use with integral IDS0102 sensor or with remote junction box EAC 01\*\* with integral IDS 0102 sensor. Sensor may be used with splash guard, flow cell and bump test adapter.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

**Class I, Div. 1, Groups A, B, C and D;**

**Class II, Div. 1, Groups E, F and G;**

Model RCU 02\*\* and RCU 03\*\* Remote Control Units, stationary, input rated 10 to 30 V dc, 9 W; output 4 - 20 mA with no integral sensor or with remote junction box EAC 01\*\* with integral sensor.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \*\* is \*0 = 4-20mA

When \*\* is \*1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

**CLASS 4828 02 - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations**

**Class I, Div. 1, Groups A, B, C and D;**

**Class II, Div. 1, Groups E, F and G;**

**Ex db [ia Ga] IIC T6/T4 Gb (for non-I.S. interfaces);**

**Ex db ia [ia Ga] IIC T6/T4 Gb (for I.S. Fieldbuses);**

**Ex tb [ia Ga] IIIC T135°C Db**

Model ETR 020\*, ETR 030\*, ETR 040\*, and ETR 050\* transmitters, stationary, input rated 10 to 30 Vdc, 3W, output rated 4-20mA. Transmitter Galvanic Isolator provides intrinsically safe circuits for use with integral DraegerSensor or DraegerSensor XS with adaptor or with remote, adapter ERA 00\*\* (Class I&II, Groups A-G, Ex ia;-Ex ia IIC T6/T4 Ga; Ex ia IIIC T135°C Da) and remote sensor ERH 00\*\* (Class I&II, Groups A-G, Ex ia; Ex ia IIC T6/T4 Ga; Ex ia IIIC T135°C Da) with integral DraegerSensor or DraegerSensor XS with adaptor.



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Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

Models ETR 040\* and ETR 050\* transmitters may be equipped with the EDS 03\*\* electrochemical sensor with gas generator.

- When \* is 0 = 4-20mA
- When \* is 1 = 4-20mA with Relays rated 230VAC, 5A resistive, 30Vdc/5A
- When \* is 2 = Modbus
- When \* is A = Foundation Fieldbus (I.S.)
- When \* is B = Foundation Fieldbus SIF (I.S.)
- When \* is E = Profibus (I.S.)
- When \* is F = ProfiSafe (I.S.)

**Class I, Div. 1, Groups A, B, C and D;**

**Ex db [ia] IIC T6/T4 Gb (for non-I.S. interfaces);**

**Ex db ia [ia] IIC T6/T4 Gb (for I.S. Fieldbuses) :**

Model ETR 022\*, ETR 032\*, ETR 042\*, and ETR 052\* transmitters, stationary, input rated 10 to 30 Vdc, 3W, output rated 4-20mA. Transmitter Galvanic Isolator provides intrinsically safe circuits for use with integral ultrasonic microphone type LD05.21-\*\*\* and remote with sensor adaptor ERA 00\*\* and remote sensor ERH 00\*\* with integral ultrasonic microphone type LD05.21-\*\*\*. Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

- When \* is 0 = 4-20mA
- When \* is 1 = 4-20mA with Relays rated 230VAC, 5A resistive, 30Vdc/5A
- When \* is 2 = Modbus
- When \* is A = Foundation Fieldbus (I.S.)
- When \* is B = Foundation Fieldbus SIF (I.S.)
- When \* is E = Profibus (I.S.)
- When \* is F = ProfiSafe (I.S.)

**Class I, Div. 1, Groups B, C and D;**

**Class II, Div. 1, Groups E, F and G;**

**Ex db IIC T6/T4 Gb (for non-I.S. interfaces);**

**Ex db ia IIC T6/T4 Gb (for I.S. Fieldbuses);**

**Ex tb IIIC T80/130°C Db:**

Model ITR 025\* transmitter and Model ITR 035\* transmitter, stationary, input rated 10 to 30 DC, 9W, output rated 4-20mA. For use with integral IDS0105 (C02) sensor or with remote junction box EAC 01\*\* with integral IDS0105 sensor. Sensor may be used with splash guard, flow cell and bump test adapter.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

- When \* is 0 = 4-20mA
- When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

Model ITR 045\* transmitter and Model ITR 055\* transmitter, stationary, input rated 10 to 30 DC, 9W, output rated 4-20mA. For use with integral IDS 0105 (C02) sensor or with remote junction box EAC 01\*\* with integral IDS 0105 sensor. Sensor may be used with splash guard, flow cell and bump test adapter.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

- When \* is 0 = 4-20mA
- When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A
- When \* is 2 = Modbus
- When \* is A = Foundation Fieldbus (I.S.)
- When \* is B = Foundation Fieldbus SIF (I.S.)
- When \* is E = Profibus (I.S.)



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When \* is F = ProfiSafe (I.S.)

Model RCU 02\*\* and RCU 03\*\* Remote Control Units, stationary, input rated 10 to 30 V dc, 9 W; output 4 - 20 mA with no integral sensor or with remote junction box EAC 01\*\* with integral sensor.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \*\* is \*0 = 4-20mA

When \*\* is \*1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

When \*\* is \*2 = Modbus

When \*\* is \*A = Foundation Fieldbus (I.S.)

When \*\* is \*B = Foundation Fieldbus SIF (I.S.)

When \*\* is \*E = Profibus (I.S.)

When \*\* is \*F = ProfiSafe (I.S.)

Conditions of certification:

1. Any components attached or installed by the end user must comply with the specifications of the product section, certified and suitable for the operating conditions.
2. For relationship between ambient temperatures and temperature classes refer to drawing SE20825
3. The circuits are limited to overvoltage category I/II/III as defined in IEC 60664 for FISCO field device operation.

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**Class I, Div. 1, Groups A, B, C and D;**

**Class II, Div. 1, Groups E, F and G**

Model ETR 020\*, ETR030\*, ETR040\*, and ETR 050\* transmitters, stationary, input rated 10 to 30 Vdc, 3W, output rated 4-20mA. Transmitter Galvanic Isolator provides intrinsically safe circuits for use with integral DraegerSensor or DraegerSensor XS with adaptor or with remote, adapter ERA 00\*\* (Class I&II, Groups A-G, Ex ia) and remote sensor ERH 00\*\* (Class I&II, Groups A-G, Ex ia) with integral DraegerSensor or DraegerSensor XS with adaptor.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

Models ETR 040\* and ETR 050\* transmitters may be equipped with the EDS 03\*\* electrochemical sensor with gas generator.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relays rated 230VAC, 5A resistive, 30Vdc/5A

When \* is 2 = Modbus

When \* is A = Foundation Fieldbus (I.S.)

When \* is B = Foundation Fieldbus SIF (I.S.)

When \* is E = Profibus (I.S.)

When \* is F = ProfiSafe (I.S.)

**Class I, Div. 1, Groups A, B, C and D;**

Model ETR 022\*, ETR 032\*, ETR 042\*, and ETR 052\* transmitters, stationary, input rated 10 to 30 Vdc, 3W, output rated 4-20mA. Transmitter Galvanic Isolator provides intrinsically safe circuits for use with integral ultrasonic microphone type LD05.21-\*\*\* and remote with sensor adaptor ERA 00\*\* and remote sensor ERH 00\*\* with integral ultrasonic microphone type LD05.21-\*\*\*.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relays rated 230VAC, 5A resistive, 30Vdc/5A

When \* is 2 = Modbus



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When \* is A = Foundation Fieldbus (I.S.)  
When \* is B = Foundation Fieldbus SIF (I.S.)  
When \* is E = Profibus (I.S.)  
When \* is F = ProfiSafe (I.S.)

**Class I, Div. 1, Groups B, C and D;  
Class II, Div. 1, Groups E, F and G**

Model ITR 025\* transmitter and Model ITR 035\* transmitter, stationary, input rated 10 to 30 DC, 9W, output rated 4-20mA. For use with integral IDS 0105 (C02) sensor or with remote junction box EAC 01\*\* with integral IDS 0105 sensor. Sensor may be used with splash guard, flow cell and bump test adapter.  
Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \* is 0 = 4-20mA  
When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

Model ITR 045\* transmitter and Model ITR 055\* transmitter, stationary, input rated 10 to 30 DC, 9W, output rated 4-20mA. For use with integral IDS0105 (C02) sensor or with remote junction box EAC 01\*\* with integral IDS0105 sensor. Sensor may be used with splash guard, flow cell and bump test adapter.  
Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \* is 0 = 4-20mA  
When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A  
When \* is 2 = Modbus  
When \* is A = Foundation Fieldbus (I.S.)  
When \* is B = Foundation Fieldbus SIF (I.S.)  
When \* is E = Profibus (I.S.)  
When \* is F = ProfiSafe (I.S.)

**Class I, Div. 1, Groups A, B, C and D;  
Class II, Div. 1, Groups E, F and G;**

Model RCU 02\*\* and RCU 03\*\* Remote Control Units, stationary, input rated 10 to 30 V dc, 9 W; output 4 - 20 mA with no integral sensor or with remote junction box EAC 01\*\* with integral sensor.  
Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \*\* is \*0 = 4-20mA  
When \*\* is \*1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A  
When \*\* is \*2 = Modbus  
When \*\* is \*A = Foundation Fieldbus (I.S.)  
When \*\* is \*B = Foundation Fieldbus SIF (I.S.)  
When \*\* is \*E = Profibus (I.S.)  
When \*\* is \*F = ProfiSafe (I.S.)

Conditions of certification:

1. Any components attached or installed by the end user must comply with the specifications of the product section, certified and suitable for the operating conditions.
2. For relationship between ambient temperatures and temperature classes refer to drawing SE20825
3. The circuits are limited to overvoltage category I/II/III as defined in IEC 60664 for FISCO field device operation.

**CLASS 4828 01 - SIGNAL APPLIANCES - Combustible Gas Detection Instruments - For Hazardous Locations**

**Class I, Div. 1, Groups A, B, C and D;  
Ex db IIC T6/T4 Gb**

Model XTR 041\* transmitter and Model XTR 051\* transmitter, stationary, input rated 10 to 30 DC, 4W, output rated 4-20mA. For use with integral XDS 0200 sensor with gore membrane or with remote junction box EAC 01\*\* with integral XDS 0200 sensor with gore membrane.  
Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.



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When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

**Class I, Div. 1, Groups B, C and D;**

**Class II, Div. 1, Groups E, F and G;**

**Ex db IIC T6/T4 Gb;**

**Ex tb IIIC T80/130°C Db**

Model ITR 041\* transmitter and Model ITR 051\* transmitter, stationary, input rated 10 to 30 DC, 9W, output rated 4-20mA. For use with integral IDS 0101 sensor or with remote junction box EAC 01\*\* with integral IDS 0101 sensor. Sensor may be used with splash guard, flow cell and bump test adapter.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

Model ITR 042\* transmitter and Model ITR 052\* transmitter, stationary, input rated 10 to 30 DC, 9W, output rated 4-20mA. For use with integral IDS 0102 sensor or with remote junction box EAC 01\*\* with integral IDS 0102 sensor. Sensor may be used with splash guard, flow cell plate and bump test plate.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

**CLASS 4828 81 - SIGNAL APPLIANCES - Combustible Gas Detection Instruments - For Hazardous Locations - CERTIFIED TO U.S. REQUIREMENTS**

**Class I, Div. 1, Groups A, B, C and D**

Model XTR 041\* transmitter and Model XTR 051\* transmitter, stationary, input rated 10 to 30 DC, 4W, output rated 4-20mA. For use with integral XDS 0200 sensor with gore membrane or with remote junction box EAC 01\*\* with integral XDS 0200 sensor with gore membrane.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

**Class I, Div. 1, Groups B, C and D;**

**Class II, Div. 1, Groups E, F and G**

Model ITR 041\* transmitter and Model ITR 051\* transmitter, stationary, input rated 10 to 30 DC, 9W, output rated 4-20mA. For use with integral ID S0101 sensor or with remote junction box EAC 01\*\* with integral IDS 0101 sensor. Sensor may be used with splash guard, flow cell and bump test adapter.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

Model ITR 042\* transmitter and Model ITR 052\* transmitter, stationary, input rated 10 to 30 DC, 9W, output rated 4-20mA. For use with integral IDS 0102 sensor or with remote junction box EAC 01\*\* with integral IDS 0102 sensor. Sensor may be used with gore membrane, flow cell plate and bump test plate.

Temperature code of T6 for -40°C to + 40°C and T4 for -40°C to + 80°C.

When \* is 0 = 4-20mA

When \* is 1 = 4-20mA with Relays rated 230Vac, 5A resistive, 30Vdc/5A

**Conditions of certification:**

1. Any components attached or installed by the end user must comply with the specifications of the product section, certified and



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suitable for the operating conditions.

2. For relationship between ambient temperatures and temperature classes refer to drawing SE20825
3. The circuits are limited to overvoltage category I/II/III as defined in IEC 60664 for FISCO field device operation.
4. Combustible gas detection performance are not guaranteed in combustible dust environment.
5. Combustible gas detection performance requirements are not verified with accessories.

### **APPLICABLE REQUIREMENTS**

CSA C22.2 No. 25:17 (Fourth Edition) (R2022) - Enclosures for use in Class II, Division 1, Groups E, F, and G hazardous locations

CSA C22.2 No. 30-20 - Fourth edition - Explosion-proof equipment

UL 50E (Third Edition) - UL Standard for Safety Enclosures for Electrical Equipment, Environmental Considerations

CSA C22.2 No. 94.2:20 - Third Edition - Enclosures for electrical equipment, environmental considerations

UL 1203 (Fourth Edition; Reprint with Revisions through and Including October 28, 2009) - UL Standard for Safety Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations

UL 913:2006 - Seventh Edition - UL Standard for Safety Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division I, Hazardous (Classified) Locations

CSA C22.2 No. 60079-0:19 - Fourth Edition - Explosive atmospheres — Part 0: Equipment — General requirements

CSA C22.2 No. 60079-1:16 (Third Edition) (R2021) - Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures “d”

ANSI/ISA 12.13.01-2000 - Performance Requirements for Combustible Gas Detectors

CAN/CSA C22.2 No. 61010-1-12 - Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements

ANSI/UL 61010-1 3rd Edition (2012), AMD1:2018 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements

CSA C22.2 No. 60079-29-1:17 (Second Edition) (R2022) - Explosive atmospheres — Part 29-1: Gas detectors — Performance requirements of detectors for flammable gases

UL 60079-29-1:2019 - Second Edition - Explosive Atmospheres – Part 29-1: Gas Detectors – Performance Requirements of Detectors for Flammable Gases

CAN/CSA-C22.2 No. 60079-11:14 (R2023) - Explosive atmospheres — Part 11: Equipment protection by intrinsic safety “i”

CSA C22.2 No 60079-31:15 - Second Edition - Explosive atmospheres — Part 31: Equipment dust ignition protection by enclosure “t”

CSA C22.2 NO. 152-M1984 - Combustible gas detection instruments - Second Edition; General Instruction No. 1: November 1984; General Instruction No. 2: September 1985; General Instruction No. 3: January 1988

### **Standards Notes**



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Only models XTR 041, XTR 051, ITR 041, ITR 051, ITR 042 and ITR 052 certified to requirements of standards CSA C22.2 No. 60079-29-1:17, Amd 1: 2020; UL 60079-29-1 2019 2nd Edition and ANSI/ISA 60079-29-1: 2019 "Explosive atmospheres — Part 29-1: Gas detectors — Performance requirements of detectors for flammable gases"



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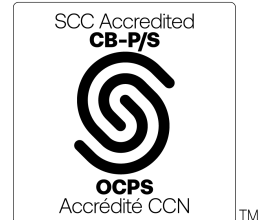
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Notes:

Products certified under Class(es) C482801, C482802, C482881, C482882 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### Product Certification History

Project	Date	Description
80206134	2025-06-18	Update to CSA report 2518052 for update standards C22.2 No. 25-1966 to C22.2 No 25: 17, C22.2 No. 30-M1986 to C22.2 No 30: 20, C22.2 No. 94.2-07 to C22.2 No 94.2: 20 and replacement of combustible gas detection requirements from C22.2 No 152 and ANSI/ISA 12.13.01-2000 to C22.2 No 60079-29-1: 2022 + Amd. 1 and UL 60079-29-1: 2019 for models XTR 041*, ITR 041*, ITR 042*, XTR 051*, ITR 051*, ITR 052* based on IECEx certification by an accredited CB.
80024773	2020-04-28	Update to CSA report 2518052 for addition of alternate ultrasonic sensor for the toxic version of Model ETR.
70161117	2017-11-02	Update to CSA report 2518052 to include minor construction changes.
70073328	2017-02-15	Update to report 2518052 for addition of alternate main assemblies for models ETR 04/05** and ITR 045/055* with alternate communication protocols and corresponding firmware update based on PTB IECEx assessment, addition of models RCU 02** and RCU 03** and minor components changes for existing modules.
70028704	2016-05-26	This project update report 2518052 to revise some PCB layout drawings, Manuals, and cover the ordinary location standard update from CSA C22.2 No 142-M1987 to CSA C22.2 No. 61010-1-12 for all models.
70011352	2015-03-27	Review of Test Data for changes from IECEx and UL reports for acceptance for CUS certification for Divisions and Zones. Modifications of ETR 02/3** transmitters from explosion proof to intrinsically safe, torque requirements on enclosure, NPT specification, and alternative 4 electrode EC sensor.
2518052	2013-04-17	Original certification