

Rosemount™ 4600 Oil & Gas Panel Pressure Transmitter

HART Revision 7



NOTICE

This installation quick start guide provides only basic guidelines for the Rosemount Model 4600 transmitter. Refer to the Model 4600 reference manual (document number 00809-0100-4022) for a complete set of safety, installation and operation instructions for the transmitter. This manual is also available at Emerson.com/Rosemount. Do not attempt to install, use or maintain this component until you have read and understood the complete instructions contained in the Model 4600 reference manual. If you need more information to determine whether the Model 4600 is suitable for your application, contact your Emerson representative.

⚠ WARNING

Explosions could result in death or serious injury.

Transmitters located in hazardous areas should be installed in accordance with local codes and requirements for that area.

Connection to transmitter housing uses a 1/2–14 NPT thread form. For hazardous location installations, the Rosemount 4600 can be connected to a certified Ex db junction box when marked Ex db, to a certified Ex eb junction box when marked Ex db eb, or to a certified Ex tb junction box when marked Ex tb. Use appropriately rated Ex adapters, blanking elements, and glands during installation. Keep process insulation at least 1-in. (25 mm) from transmitter connection.

Electrical shock can result in death or serious injury.

Avoid contact with the leads and terminals. High voltage that may be present on leads can cause electrical shock.

⚠ CAUTION

Apply torque only to the hex flat located at the process end of the transmitter. Do not apply torque to the transmitter body or electrical connection - severe damage could result. Do not exceed 100 ft-lb.

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1 Mount the transmitter

1.1 Electrical connection

Procedure

1. Pull the leads through the threaded mounting hole in the panel wall.
2. Hand tighten the electrical connection into the mounting hole.
3. Using a wrench on the hex flat at the process connection, apply sufficient torque to prevent transmitter vibration. Do not exceed 100 ft-lb.

1.2 Process connection

Procedure

1. Hand tighten the appropriate sized impulse piping connector into the process connection.
2. Using a wrench on the hex flat at the impulse piping connection, apply enough torque to prevent process fluid leakage. Do not exceed 100 ft-lb.

Note

Process connection and ambient temperatures must be considered when installing the 4600 with hazardous location certifications. Process connection temperatures above +85 °C require a limited ambient temperature, reduced by a 1:1.5 ratio. See the following tables.

Table 1-1: Intrinsically Safe/Increased Safety

Process connection temperature	Maximum ambient temperature
-60 °C to +85 °C	+70 °C
+85 °C to +121 °C	+70 °C to +16 °C ⁽¹⁾

- (1) Maximum ambient temperature is reduced by a ratio of 1:1.5 as process connection temperature increase beyond +85 °C

Figure 1-1: IS/ Increased Safety Applications

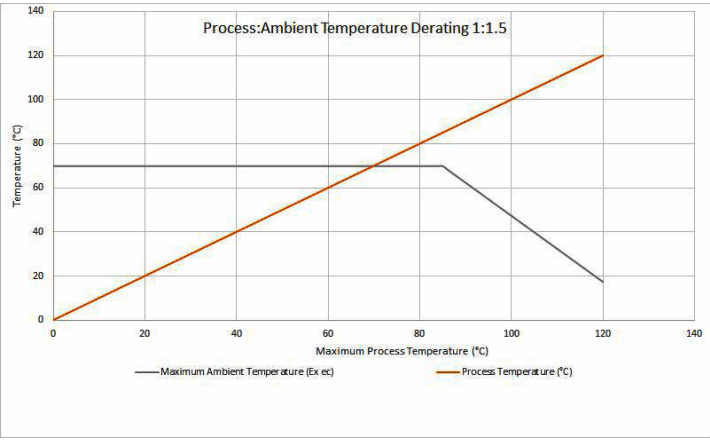
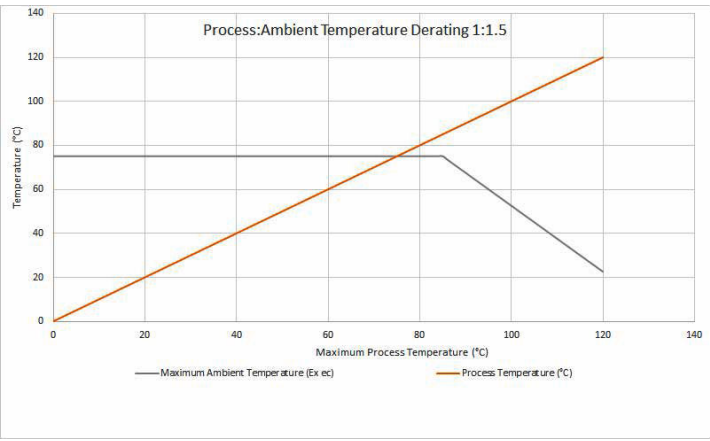


Table 1-2: Explosionproof/Flameproof

Process connection temperature	Maximum ambient temperature
-60 °C to +85 °C	+75 °C
+85 °C to +121 °C	+75 °C to +21 °C ⁽¹⁾

(1) Maximum ambient temperature is reduced by a ratio of 1:1.5 as process connection temperature increase beyond +85 °C

Figure 1-2: Explosionproof/Flameproof Applications



2 Connect the wiring and power

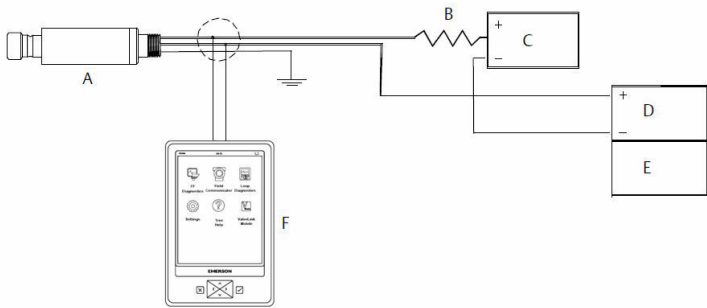
Use the following steps to wire the transmitter:

Procedure

1. Connect the red lead to the "+" terminal of the power supply.
2. Connect the black lead to the "-" terminal of the I/O card on the PLC.
3. Connect the green lead to panel ground.

The figure below shows the wiring connections necessary to power a Rosemount 4600 and enable communications with a hand-held Field Communicator.

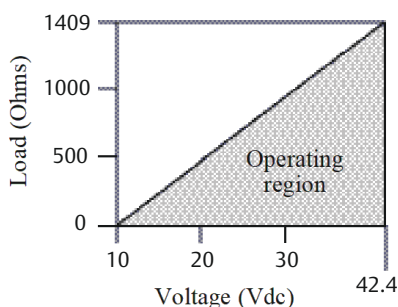
Figure 2-1: Rosemount 4600 Field Wiring



- | | |
|----------|------------------------|
| A | Rosemount 4600 |
| B | $RL > 250 \text{ ohm}$ |
| C | Power supply |
| D | I/O card |
| E | PLC |
| F | Field Communicator |

2.1 Power supply

The dc power supply should provide power with less than two percent ripple. The total resistance load is the sum of the resistance of the signal leads and the load resistance of the controller, indicator, and related pieces. Note that the resistance of intrinsic safety barriers, if used, must be included.

Figure 2-2: Load Limitation

Maximum loop resistance = 43.5 (power supply voltage – 10)

The Field Communicator requires a minimum loop resistance of 250Ω for communication.

2.2 Grounding the transmitter case

Always ground the transmitter case in accordance with national and local electrical codes. The most effective transmitter case grounding method is a direct connection to earth ground with minimal impedance. Methods for grounding the transmitter case include:

- **Internal ground connection:** The green lead provides the internal ground connection, and is standard on all Rosemount 4600 Transmitters.
- **External ground assembly:** This assembly is included with the optional transient protection (option code T1). The external ground assembly can also be ordered with the transmitter (option code D4), or as a spare part ([4600-0113-0001](#)).

Note

Grounding the transmitter case using the threaded electrical or process connections may not provide a sufficient ground. The transient protection (option code T1) will not provide transient protection unless the transmitter case is properly grounded. Use the above guidelines to ground the transmitter case. Do not run transient protection ground wire with signal wiring; the ground wire may carry excessive current if a lightning strike occurs.

3 Trim the transmitter

Note

Transmitters are shipped from Emerson fully configured per request or by the factory default of full scale (span = upper range limit).

3.1 Zero trim

A zero trim is a single-point adjustment to compensate mounting position and sealed gauge pressure effects. When performing a zero trim, ensure the transmitter is vented to atmosphere.

3.2 Using the Field Communicator

Procedure

1. Vent the transmitter to atmosphere and connect Field Communicator.
2. At the main menu, input the Fast Key sequence.
3. Follow the commands to perform a zero trim.

4 Safety Instrumented Systems (SIS)

The following section applies to Rosemount 4600 Transmitters used in SIS applications.

Note

Transmitter output is not safety-rated during the following: configuration changes, multidrop and loop test. Alternative means should be used to ensure process safety during transmitter configuration and maintenance activities.

Installation

No special installation is required in addition to the standard installation practices outlined in this document.

The loop must be designed so the terminal voltage does not drop below 10 Vdc when the transmitter output is 22.5 mA.

Configuration

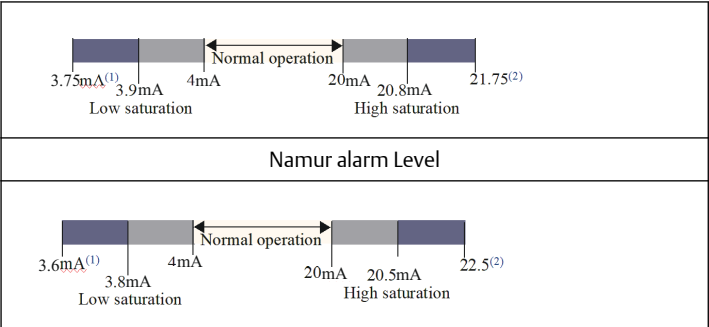
Use any HART® compliant master to communicate with and verify configuration of the Rosemount 4600.

User-selected damping will affect the transmitter’s ability to respond to changes in the applied process. The damping value + response time must not exceed the loop requirements.

Note

DCS or safety logic solver must be configured to match transmitter configuration. [Figure 4-1](#) identifies the two alarm levels available and their operation values. Change the alarm direction to the required HI or LO alarm position.

Figure 4-1: Alarm Levels



(1)(2)

- (1) 1. Transmitter Failure, alarm in LO position.
- (2) 2. Transmitter Failure, alarm in HI position.

Note

Some detected faults are indicated on the analog output at a level above high alarm regardless of the alarm selection.

5 Operation and maintenance

Proof test and inspection

The following proof tests are recommended. Proof test results and corrective actions taken must be documented at [Emerson.com/Rosemount/Safety-Measurement](https://emerson.com/Rosemount/Safety-Measurement) in the event that an error is found in the safety functionality. See the Rosemount 4600 [Reference Manual](#) for additional information.

5.1 Proof test

This proof test will detect 90 percent of DU failures not detected by the Rosemount 4600 automatic diagnostics.

Procedure

1. Conduct a loop test.
 - a) Enter the milliampere value representing a high alarm state and verify that the analog current reaches that value.⁽¹⁾
 - b) Enter the milliampere value representing a low alarm state and verify that the analog current reaches that value.⁽²⁾
2. Perform a two-point sensor calibration check⁽³⁾ using the 4–20 mA range points as the calibration points.
 - a) If necessary, use one of the trim procedures available in the Rosemount 4600 [Reference Manual](#) to calibrate.

Note

The user determines the proof-test requirements for impulse piping.

5.2 Product repair

All failures detected by the transmitter diagnostics or by the proof-test must be reported. Feedback can be submitted electronically at [Emerson.com/Rosemount/Safety-Measurement](https://emerson.com/Rosemount/Safety-Measurement).

(1) This tests for compliance voltage problems such as a low loop power supply voltage or increased wiring resistance. This also tests for other possible failures.

(2) This tests for possible quiescent current related failures.

(3) If the two-point calibration is performed with electrical instrumentation, this proof test will not detect any failures of the sensor.

6 Reference

Specifications

The transmitter must be operated in accordance to the functional and performance specifications provided in the reference manual.

Failure rate data

The FMEDA report includes failure rates. This report is available at [Emerson.com/Rosemount](https://emerson.com/Rosemount).

Rosemount 4600 safety failure values

Safety accuracy: 2.0 percent⁽⁴⁾ Safety response time- 1.5 seconds

Safety accuracy: 2.0 percent⁽⁴⁾

Safety response time- 1.5 seconds

Product life

50 years – based on worst case component wear-out mechanisms – not based on wear-out process wetted materials.

Dual seal

The annunciation of the dual seal is through the wall of the transmitter housing.

⁽⁴⁾ A two percent variation of the transmitter mA output is allowed before a safety trip. Trip values in the DCS or safety logic solver should be derated by two percent.

7 Product certifications

Rev 2.14

7.1 European Directive Information

A copy of the EU Declaration of Conformity can be found at the end of the Quick Start Guide. The most recent revision of the EU Declaration of Conformity can be found at [Emerson.com/Rosemount](https://emerson.com/Rosemount).

7.2 Ordinary Location Certification

As standard, the transmitter has been examined and tested to determine that the design meets the basic electrical, mechanical, and fire protection requirements by a nationally recognized test laboratory (NRTL) as accredited by the Federal Occupational Safety and Health Administration (OSHA).

7.3 North America

E5 US Explosionproof (XP) and Dust-Ignitionproof (DIP)

Certificate FM21US0079X

Standards FM Class 3600:2018, FM Class 3615:2018, FM Class 3616:2011, FM Class 3810:2018, ANSI/ISA 61010-1:2015, ANSI/UL 60079-0:2019, ANSI/UL 60079-1:2015, ANSI/UL 60079-26:2017, ANSI/UL 60079-31:2015, ANSI/UL 122701:2017, ANSI/UL 50E:2015

Markings CL I, DIV 1, GP B, C, D, T5...T4; ZONE 0/1, AEx db IIC T5...T4 Ga/Gb (-50 °C ≤ T_a ≤ 75 °C); CL II, DIV 1, GP E, F, G; CL III, DIV 1, T5...T4; ZONE 21, AEx tb IIIC T135 °C Db; DUAL SEAL T5 (-50 °C ≤ T_{process} ≤ 100 °C) or T4 (-50 °C ≤ T_{process} ≤ 121 °C); TYPE 4X; Conduit seal not required

Special Conditions for Safe Use (X):

1. The device contains a thin wall diaphragm less than 1 mm thick that forms a boundary between Zone 0 EPL Ga (process connection) and Zone 1 EPL Gb (all other parts of the equipment). The model code and certificate are to be consulted for details of the diaphragm material. During installation, maintenance, and use the environmental conditions to which the diaphragm will be subjected shall be taken into account. The manufacturer's instructions for installation and maintenance shall be followed in detail to assure safety during its expected lifetime.
2. Flameproof joints are not intended for repair.

3. Appropriate cable, glands need to be suitable for a temperature of 5 °C greater than the maximum specified ambient temperature for location where installed.
4. The applicable temperature class, ambient temperature range and process temperature range of the equipment is as follows. Maximum ambient temperature is reduced by a ratio of 1:1.5 as process connection temperature increase beyond +85 °C.

Temperature class	Maximum surface temperature	Ambient temperature range	Process temperature range
T5	100 °C	-50 °C to +75 °C	-50 °C to +100 °C
T4	135 °C	-50 °C to +75 °C	-50 °C to +121 °C

I5 US Intrinsic Safety (IS), Increased Safety, Non Incendive (NI)

Certificate FM21US0074X

Standards FM Class 3600:2018, Class 3610:2021, Class 3611:2021, Class 3810:2021, ANSI/UL 60079-0:2020, ANSI/UL 60079-7:2017, ANSI/UL 60079-11:2014, ANSI/UL 61010-1:2012, ANSI/UL 12.12.01:2019, ANSI/UL 50E:2015, ANSI/IEC 60529:2004 (R2011)

Markings IS CL I, DIV 1, GP A, B, C and D; T4
 CL I, Zone 0, AEx ia IIC T4 Ga
 when connected in accordance with Rosemount drawing 04620-5025
 NI CL I, DIV 2, GP A, B, C, D; T5...T4
 CL I, Zone 2, AEx ec IIC T4 Gc
 $T_a = -50\text{ °C to }+70\text{ °C}$
 Type 4X; IP65

Specific Conditions for Safe Use (X):

1. The model 4600 transmitter with T1 option will not pass the 500 Vrms dielectric strength test. Refer to the installation instructions for details.
2. The applicable temperature class, ambient temperature range and process temperature range of the equipment is as follows:

Temperature class	Maximum surface temperature	Ambient temperature range	Process temperature range
T5	100 °C	-50 °C to +70 °C	-50 °C to +100 °C
T4	135 °C	-50 °C to +70 °C	-50 °C to +121 °C

E6 Canada Explosionproof

Certificate FM21CA0053X

Standards CAN/CSA-C22.2 No. 0-10:R2015, CAN/CSA-C22.2 No. 0.4-17:2017, CSA C22.2 No. 0.5-16:2016, C22.2 No. 25-17:2017, CSA-C22.2 No. 30:2020, CSA-C22.2 No. 94.2-15:2015, CAN/CSA-C22.2 No. 60079-0:2019, CAN/CSA-C22.2 No. 60079-1:2016, CAN/CSA C22.2 No. 60079-26:2016, CAN/CSA C22.2 No. 60079-31:2015, CSA C22.2 No. 60079-40:2020, CAN/CSA-C22.2 No. 61010-1:2015

Markings CL I, DIV 1, GP B, C, D, T5...T4; Ex db IIC T5...T4 Ga/Gb (-50 °C ≤ T_a ≤ 75 °C); CL II, DIV 1, GP E, F, G; CL III, DIV 1, T5...T4; Ex tb IIIC T135 °C Db; Dual seal T5 (-50 °C ≤ T_{process} ≤ 100 °C) or T4 (-50 °C ≤ T_{process} ≤ 121 °C); TYPE 4X; Conduit seal not required

Special Conditions for Safe Use (X):

1. The device contains a thin wall diaphragm less than 1 mm thick that forms a boundary between EPL Ga (process connection) and EPL Gb (all other parts of the equipment). The model code and certificate are to be consulted for details of the diaphragm material. During installation, maintenance, and use the environmental conditions to which the diaphragm will be subjected shall be taken into account. The manufacturer's instructions for installation and maintenance shall be followed in detail to assure safety during its expected lifetime.
2. Flameproof joints are not intended for repair.
3. Appropriate cable, glands need to be suitable for a temperature of 5 °C greater than the maximum specified ambient temperature for location where installed.
4. The applicable temperature class, ambient temperature range and process temperature range of the equipment is as follows. Maximum ambient temperature is reduced by a ratio of 1:1.5 as process connection temperature increase beyond +85 °C.

Temperature class	Maximum surface temperature	Ambient temperature range	Process temperature range
T5	100 °C	-50 °C to +75 °C	-50 °C to +100 °C
T4	135 °C	-50 °C to +75 °C	-50 °C to +121 °C

16 Canada Intrinsic Safety, Increased Safety, Non Incendive (NI)

Certificate FM21CA0049X

Standards CSA-C22.2 No. 25:2017, CSA-C22.2 No. 94.2:2015, CSA-C22.2 No. 213:2017, CSA-C22.2 No. 60079-0:2019, CAN/CSA-C22.2 No. 60079-7:2018, CAN/CSA-C22.2 No. 60079-11:2014, CAN/CSA-C22.2 No. 61010-1:2012

Markings IS CL I, DIV 1, GP A, B, C and D; T4

Ex ia IIC T4 Ga

when connected in accordance with Rosemount drawing 04620-5025

NI CL I, DIV 2, GP A, B, C, D; T5...T4

Ex ec IIC T4 Gc

$T_a = -50\text{ °C to }+70\text{ °C}$

Type 4X; IP65

Specific Conditions for Safe Use (X):

1. The model 4600 transmitter with T1 option will not pass the 500 Vrms dielectric strength test. Refer to the installation instructions for details.
2. The applicable temperature class, ambient temperature range and process temperature range of the equipment is as follows:

Temperature class	Maximum surface temperature	Ambient temperature range	Process temperature range
T5	100 °C	-50 °C to +70 °C	-50 °C to +100 °C
T4	135 °C	-50 °C to +70 °C	-50 °C to +121 °C

7.4 Europe

E1 ATEX Flameproof

Certificate DEKRA 20ATEX0103 X

Standards EN IEC 60079-0:2018; EN 60079-1:2014; EN 60079-7:2015+A1:2018; EN 60079-26:2015

Markings  II 1/2 G Ex db IIC T6...T4 Ga/Gb, II 1/2 G Ex db eb IIC T6...T4 Ga/Gb T4/T5 ($-60^{\circ}\text{C} \leq T_a \leq +75^{\circ}\text{C}$), T6 ($-60^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$)

Table 7-1: Temperature Range

Process connection temperature range (°C)	Ambient temperature range	Temperature class/ maximum surface temperature
-60 to +70 °C	-60 to +70 °C	T6
-60 to +75 °C	-60 to +75 °C	T5
-60 to +120 °C		T4

Special Conditions for Safe Use (X):

1. The device contains a thin wall diaphragm less than 1 mm thick that forms a boundary between Category 1G (process connection) and Category 2G (all other parts of the equipment). The model code and data sheet are to be consulted for details of the diaphragm material. During installation, maintenance, and use the environmental conditions to which the diaphragm will be subjected shall be taken into account. The manufacturer's instructions for installation and maintenance shall be followed in detail to assure safety during its expected lifetime.
2. Flameproof joints are not intended for repair.
3. The model 4600 transmitter with T1 option will not pass the 500 Vrms dielectric strength test. Refer to the installation instructions for details.

I1 ATEX Intrinsic Safety

Certificate DEKRA 20ATEX0112 X

Standards EN IEC 60079-0 : 2018, EN 60079-11 : 2012

Markings  II 1 G Ex ia IIC T4 Ga ($-40^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$)

Table 7-2: Input Parameters

Voltage U_i	30 V
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Table 7-2: Input Parameters
(continued)

Current I_i	200 mA
Power P_i	1.0 W
Capacitance C_i	11.7 nF
Inductance L_i	5.9 μ H

Special Condition for Safe Use (X):

1. The model 4600 transmitter with T1 option will not pass the 500 Vrms dielectric strength test. Refer to the installation instructions for details.
2. For use only with resistively limited IS barriers.

N1 ATEX Increased Safety (Zone 2)

Certificate DEKRA 20ATEX0113 X

Standards EN IEC 60079-0 : 2018, EN 60079-7 : 2015 + A1 : 2018

Markings  II 3 G Ex ec IIC T4 Gc (-40 °C ≤ T_a ≤ +70 °C)
Um = 42.4V

Special Condition for Safe Use (X):

1. The model 4600 transmitter with T1 option will not pass the 500 Vrms dielectric strength test. Refer to the installation instructions for details.
2. Ex ec equipment must be installed in a conduit or junction box completing or providing minimum IP54 per IEC 60079-0 and IEC 60529.

ND ATEX Dust Ignition-proof

Certificate DEKRA 20ATEX0103 X

Standards EN IEC 60079-0:2018, EN 60079-31:2014

Markings  II 2 D Ex tb IIIC T135 °C Db (-60 °C ≤ T_a ≤ +75 °C)

Process connection temperature range [°C]	Ambient temperature range	Temperature class/maximum surface temperature
-60 °C to +120 °C	-60 °C to +75 °C	T135 °C

Special Condition for Safe Use (X):

None.

7.5 International

E7 IECEx Flameproof and Dust**Certificate** IECEx DEK 20.0061X**Standards** IEC 60079-0:2017; IEC 60079-1:2014; IEC 60079-7:2017 (Ed.5.1); IEC 60079-26:2014; IEC 60079-31:2013**Markings** Ex db IIC T6...T4 Ga/Gb, Ex db eb IIC T6...T4 Ga/Gb T4/T5 ($-60^{\circ}\text{C} \leq T_a \leq +75^{\circ}\text{C}$), T6 ($-60^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$) Ex tb IIIC T135 °C Db ($-60^{\circ}\text{C} \leq T_a \leq +75^{\circ}\text{C}$)

Process connection temperature range (°C)	Ambient temperature range	Temperature class/ maximum surface temperature
-60 to +70 °C	-60 to +70 °C	T6
-60 to +75 °C	-60 to +75 °C	T5
-60 to +120 °C		T4/ T135 °C

Special Conditions for Safe Use (X):

1. The device contains a thin wall diaphragm less than 1 mm thick that forms a boundary between Category 1 (process connection) and Category 2 (all other parts of the equipment). The model code and data sheet are to be consulted for details of the diaphragm material. During installation, maintenance, and use the environmental conditions to which the diaphragm will be subjected shall be taken into account. The manufacturer's instructions for installation and maintenance shall be followed in detail to assure safety during its expected lifetime.
2. Flameproof joints are not intended for repair.
3. The model 4600 transmitter with T1 option will not pass the 500 Vrms dielectric strength test. Refer to the installation instructions for details.

I7 IECEx Intrinsic Safety**Certificate:** IECEx DEK 20.0065X**Standards:** EN IEC 60079-0 : 2018, IEC 60079-11 : 2012**Markings:** Ex ia IIC T4 Ga ($-40^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$)

Table 7-3: Input Parameters

Voltage U_i	30 V
Current I_i	200 mA
Power P_i	1.0 W
Capacitance C_i	11.7 nF
Inductance L_i	5.9 μ H

Special Condition for Safe Use (X):

1. The model 4600 transmitter with T1 option will not pass the 500 Vrms dielectric strength test. Refer to the installation instructions for details.
2. For use only with resistively limited IS barriers.

N7 IECEx Increased Safety (Zone 2)

Certificate: IECEx DEK 20.0065X

Standards: EN IEC 60079-0 : 2018, IEC 60079-7 : 2015 + A1 : 2018

Markings: Ex ec IIC T4 Gc ($-40\text{ }^{\circ}\text{C} \leq T_a \leq +70\text{ }^{\circ}\text{C}$)
Um = 42.4V

Special Condition for Safe Use (X):

1. The model 4600 transmitter with T1 option will not pass the 500 Vrms dielectric strength test. Refer to the installation instructions for details.
2. Ex ec equipment must be installed in a conduit or junction box completing or providing minimum IP54 per IEC 60079-0 and IEC 60529.

7.6 Combinations

- K1** Combination of E1, I1, and N1
- K5** Combination of E5 and I5
- K6** Combination of E6 and I6
- KA** Combination of E1, I1, E6, and I6
- KB** Combination of E5, E6, I5, and I6
- KC** Combination of E1, E5, I1, and I5

8 Declaration of Conformity



EU Declaration of Conformity

No: RMD 1048 Rev. L



We,

Rosemount Inc.

6021 Innovation Boulevard

Shakopee, MN 55379-4676

USA

declare under our sole responsibility that the product,

Rosemount™ 4600 Pressure Transmitters

manufactured by,

Rosemount Inc.

6021 Innovation Boulevard

Shakopee, MN 55379-4676

USA

to which this declaration relates, is in conformity with the provisions of the European Union Directives, including the latest amendments, as shown in the attached schedule.

Assumption of conformity is based on the application of the harmonized standards and, when applicable or required, a European Union notified body certification, as shown in the attached schedule.


(signature)

Vice President of Global Quality

(function name - printed)

Mark Lee

(name - printed)

January 10, 2022

(date of issue)

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	EU Declaration of Conformity	
No: RMD 1048 Rev. L		
EMC Directive (2014/30/EU)		
All Models 4600 Pressure Transmitters EN 61326-1:2013, EN 61326-2-3:2013		
ATEX Directive (2014/34/EU)		
Model 4600 Pressure Transmitter		
DEKRA 20ATEX0112X - Intrinsic Safety Certificate		
Equipment Group II Category 1 G Ex ia IIC T4 Ga Harmonized Standards Used: EN IEC 60079-0:2018, EN 60079-11:2012		
DEKRA 20ATEX0113X - Increased Safety Certificate		
Equipment Group II Category 3 G Ex ec IIC T4 Gc Harmonized Standards Used: EN IEC 60079-0:2018, EN 60079-7:2015+A1:2018		
DEKRA 20ATEX0103X - Flameproof and Dust Certificate		
Equipment Group II Category 1/2 G Ex db IIC T6...T4 Ga/Gb Ex db eb IIC T6...T4 Ga/Gb Equipment Group II Category 2 D Ex tb IIIC T135°C Db Harmonized Standards Used: EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-7:2015+A1:2018, EN 60079-26:2015, EN 60079-31:2014		
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EU Declaration of Conformity
No: RMD 1048 Rev. L



ATEX Notified Bodies for EU Type Examination Certificate

DEKRA [Notified Body Number: 0344]
Utrechtseweg 310
Postbus 5185
6802 ED Arnhem
Netherlands

ATEX Notified Body for Quality Assurance

SGS FIMKO OY [Notified Body Number: 0598]
Takomotie 8
00380 HELSINKI
Finland



Quick Start Guide
00825-0100-4022, Rev. JA
January 2022

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