



(1) **EC-TYPE EXAMINATION CERTIFICATE**


- (2) Equipment or protective system intended for use in potentially explosive atmospheres - Directive 94/9/EC
- (3) EC-Type Examination Certificate Number: **KEMA 02ATEX2231 X**
- (4) Equipment or protective system: **Model 4600 Pressure Transmitter**
- (5) Manufacturer: **Rosemount Inc.**
- (6) Address: **8200 Market Boulevard, Chanhassen, MN 55317, USA**
- (7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential report no. 2016399.

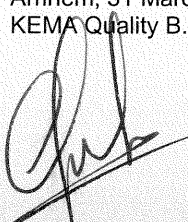
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

<b>EN 50014 : 1997</b>	<b>EN 50018 : 2000</b>
<b>EN 50284 : 1999</b>	<b>EN 50281-1-1 : 1998</b>

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment or protective system according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- (12) The marking of the equipment or protective system shall include the following:

	<b>II 1/2 G</b>	<b>EEx d IIC T6</b>
	<b>II 1 D</b>	<b>T 85 °C</b>

Arnhem, 31 March 2003  
KEMA Quality B.V.



C.G. van Es  
Certification Manager

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## SCHEDULE

- (13)
- (14) **to EC-Type Examination Certificate KEMA 02ATEX2231 X**

(15) **Description**

The Rosemount Model 4600 Pressure Transmitter is a compact, lightweight, all-welded transmitter specifically designed for oil & gas panel applications.

Ambient temperature range -40 to +80 °C.

The maximum surface temperature T 85 °C is based on an ambient temperature of +80 °C.

**Technical data**

Power supply and output circuit: 42,4 V, 24 mA maximum (4-20 mA output)  
 Ingress protection: IP 66 / IP 68 according to EN 60529

**Routine tests**

Each Model 4600 pressure transmitter shall be subjected to a routine test according clause 16 of EN 50018, using a test pressure of at least 8 bar during 1 minute.

(16) **Report**

KEMA No. 2016399.

(17) **Special conditions for safe use**

This device contains a thin wall diaphragm. Installation, maintenance and use shall take into account the environmental conditions to which the diaphragm will be subjected. The manufacturer's instructions for installation and maintenance shall be followed in detail to assure safety during its expected lifetime.

The Model 4600 pressure transmitter is provided with a permanently connected unterminated cable. The free end of the cable shall be connected using a suitable junction box, e.g. in type of explosion protection flameproof enclosure "d" or increased safety "e".

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

	<u>dated</u>
1. Product compliance report no. 1571-02	15.10.2002
2. Drawing No. 04620-5001, rev. AA (4 sheets)	-

# AMENDMENT 1

to EC-Type Examination Certificate KEMA 02ATEX2231 X

Manufacturer: **Rosemount Inc.**

Address: **8200 Market Boulevard, Chanhassen, MN 55317, USA**

## Description

The construction of the Rosemount Model 4600 Pressure Transmitter has been changed in order to measure pressures upto 5,000 psi (Model ranges 2 and 4) and upto 20,000 psi (Model ranges 5 and 6).

All other data remain unchanged.

## Routine tests

Each Model 4600 pressure transmitter shall be subjected to a routine test according clause 16 of EN 50018, using a test pressure of at least 8 bar (Model ranges 2 and 4) or at least 10 bar (Model ranges 5 and 6) during 1 minute.

## Report

KEMA No. 2031475.

## Special conditions for safe use

Unchanged.

## Test documentation

	<u>dated</u>
1. Product Compliance Report No. C1571-03	23.06.2003
2. Drawing No. 04620-5001, rev. AB (6 sheets)	19.05.2003

Arnhem, 20 October 2003  
KEMA Quality B.V.



L.M.J. Vries  
Certification Manager