



(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 03ATEX2168**
- (4) Equipment or protective system: **Flowmeter Series ProBar, Mass ProBar, ProPlate and Mass ProPlate**
- (5) Manufacturer: **Rosemount Inc.**
- (6) Address: **12001 Technology Drive, Eden Prairie, MN 55344-3659, 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. 2014372.

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

EN 50014 : 1997 EN 50018 : 2000 EN 50284 : 1999

- (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:



II 1/2 G EEx d IIC T6...T5

Arnhem, 25 August 2003
KEMA Quality B.V.

C.G. van Es
Certification Manager

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SCHEDULE

(13)

(14)

to EC-Type Examination Certificate KEMA 03ATEX2168

(15) **Description**

The Flowmeter Series ProBar, Mass ProBar, ProPlate and Mass ProPlate consists of separately certified Rosemount Models 3095 or Model 3051 pressure transmitters and optionally a Rosemount Model 79 Connection Head mounted to an Annubar Flow Sensor (Series ProBar and Mass ProBar) or to an Integral Flow Orifice Assembly (Series ProPlate and Mass ProPlate).

Ambient temperature range: -50 °C to +65 °C for temperature class T6
 -50 °C to +80 °C for temperature class T5

Electrical data

Power supply: 10,5 to 55 V dc
 Output signal: 4-20 mA dc

Installation instructions

The cable and conduit entry devices and blanking elements shall be of a certified flameproof type, suitable for the conditions of use and correctly installed. With the use of conduit, a certified stopping box shall be provided immediately to the entrance of the enclosure.

Routine tests

Routine tests according to clause 16 of EN 50018 are not required since the type test has been conducted at a static pressure of four times the reference pressure.

(16) **Report**

KEMA No. 2014372.

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

None.

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

Covered by the standards listed at (9).

(19) **Test documentation**

1. Certificate of Conformity KEMA No. Ex-97.D.3337
 EC-Type examination Certificate KEMA 02ATEX2320 X
 EC-Type Examination Certificate KEMA 00ATEX2013 X

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|----|-----------------------------------------|------------|
| 2. | Drawing No. SU-7249, rev. AD (5 sheets) | 09.07.2003 |
| | SU-8754, rev. AC (5 sheets) | 09.07.2003 |