

(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 02ATEX2320 X**
- (4) Equipment or protective system: **Multivariable Flow Transmitter Models 3095, 3095MFA and 2055**
- (5) Manufacturer: **Rosemount Inc.**
- (6) Address: **12001 Technology Drive, 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. 2025628.

- (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 T5...T6**

Arnhem, 30 June 2003  
KEMA Quality B.V.



L.M.J. Vries  
Certification Manager

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## SCHEDULE

(13)

(14)

to EC-Type Examination Certificate KEMA 02ATEX2320 X

(15) **Description**

Multivariable Flow Transmitter Models 3095, 3095MFA and 2055, consisting of a cast aluminium electronics housing and a stainless steel pressure sensor assembly. The process temperature is measured using a RTD. An optional LCD meter may be used to display pressure, temperature and flow information locally.

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

**Electrical data**

Power supply: 55 Vdc, 23 mA max.

**Installation instructions**

The cable and conduit entry devices and blanking elements shall be certified in type of explosion protection EEx d. With the use of conduit entries a sealing device shall be provided immediately on the entrance to the enclosure.

**Routine tests**

The welded RTD connection port shall be subjected to a routine overpressure test according to clause 16 of EN 50018, using a minimum test pressure of 15 bar.

(16) **Report**

KEMA No. 2025628.

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

The 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.

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

Covered by the standards listed at (9).

(19) **Test documentation**

	<u>dated</u>
1. Rosemount Compliance Report No. C1666-03	17.12.2002
2. Drawing No. 03095-1043, rev. AB (9 sheets)	03.12.2002
SU-9040, rev. AD (7 sheets)	29.04.2003

## AMENDMENT 1

to EC-Type Examination Certificate KEMA 02ATEX2320 X

Manufacturer: **Rosemount Inc.**

Address: **12001 Technology Drive, MN 55344-3659, USA**

### Description

The range of Multivariable Flow Transmitter Models 3095, 3095MFA and 2055 is extended with model 3095MFC, which has a different process connection.

All data remain unchanged.

### Test documentation

dated

Drawing no. SU-9975, rev. AC

26.08.2003

Arnhem, 8 December 2003  
KEMA Quality B.V.

  
C.G. van Es  
Certification Manager

## AMENDMENT 2

to EC-Type Examination Certificate KEMA 02ATEX2320

Manufacturer: **Rosemount Inc.**

Address: **12001 Technology Drive, MN 55344-3659, USA**

### Description

The range of Multivariable Flow Transmitter Models 3095, 3095MFA and 2055 is extended with model 3095MFP, which has a different process connection.

All other data remain unchanged.

### Test documentation

Drawing no. SU 10073, rev. AB (4 sheets)

dated

06.05.2004

Arnhem, 14 May 2004  
KEMA Quality B.V.



T. Pijpker  
Certification Manager