



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

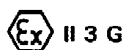
- (2) Equipment or protective system intended for use in potentially explosive atmospheres  
- Directive 94/9/EC
- (3) EC-Type Examination Certificate Number: **KEMA 97ATEX4571 X**
- (4) Equipment or protective system: **Batch Controller Series Model 3300**
- (5) Manufacturer: **Micro Motion, Inc.**
- (6) Address: **7070 Winchester Circle, Boulder CO 80301, 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, 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. 74571.

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

**prEN 50021 : 1998**

- (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 and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.
- (12) The marking of the equipment or protective system shall include the following:



**EEx nVL IIC T4**

Arnhem, 21 July 1998  
by order of the Board of Directors of N.V. KEMA

C.M. Boschloo  
Certification Manager

• This Certificate may only be reproduced in its entirety and without any change



**SCHEDULE**

(13)

(14)

**to EC-Type Examination Certificate KEMA 97ATEX4571 X**

**(15) Description**

The Batch Controller Series Model 3300 provide measurement and control functions and are intended for rack or panel mounted installation.

**Electrical data**

Supply voltage .....	85 ... 265 Vac, 15 VA or 18 ... 30 Vdc, 14 W
Input circuits .....	30 V, 1,5 mA
Output circuits .....	30 V, 25 ... 100 mA and/or 5 V, 250 mA

**Routine tests**

The Batch Controller Series 3300 must be submitted to routine tests according to prEN 50021:1998, Clause 27.1 and 27.2.1.

**(16) Report**

KEMA No. 74571

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

1. The Batch Controller Series 3300 shall be installed in a metal enclosed panel or rack providing a degree of ingress protection of at least IP4x according to EN 60529.  
The front of the controller may be at the surface of the panel enclosure, providing the ingress protection is at least IP54.
2. Cable entries for the panel enclosure shall comply with clause 7.2.6 of prEN 50021:1998
3. Ambient temperature range -20 °C ... +60 °C.

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

Essential Health and Safety Requirements not covered by standards listed at (9)	
Clause	Subject
1.0.5	Marking
1.0.6	Instructions

These Essential Health and Safety Requirements are examined and positively judged. The results are laid down in the report listed at (16).

SCHEDULE

(13)

(14)

to EC-Type Examination Certificate KEMA 97ATEX4571 X

(19) Test documentation

1. Test Certificate KEMA No. Ex-97.Y.1169 X

2. Description (4 pages)

signed

3. Drawing No. EP-3300271 Rev.B (3 sheets)

EP-3300272 Rev.B (4 sheets)

3300182 Rev. A (3 sheets)

3300670 Rev. B

)  
)  
) 15.07.1998  
)  
)

**AMENDMENT 1**

to EC-TYPE EXAMINATION CERTIFICATE KEMA 97ATEX4571 X

Manufacturer: **Micro Motion Inc.**Address: **7070 Winchester Circle, Boulder CO 80301, USA****Description**

In future the Batch Controller Series Model 3300 may also be constructed in accordance with the documentation stated below.

The modifications concern the APPS-board and the dc-board.

The Model code has been changed to 3300.2....B. (allowing the version with dc supply only) and the electrical data and special conditions for safe use have been changed as listed below.

**Electrical data**

Supply ..... 18 ... 30 Vdc, 14 W

Input circuits ..... 30 V, 1,5 mA

Output circuits ..... 30 V, 25 ... 500 mA and/or 5 V, 250 mA

**Special conditions for safe use**

1. The Batch Controller Series 3300 shall be installed in an enclosed panel or rack providing a degree of ingress protection of at least IP40 according to EN 60529, taking into account the environmental conditions into which the equipment will be installed and clause 6 of prEN 50021:1998.  
The front of the controller may be accessible at the outside of the enclosed panel and provides a degree of ingress protection of at least IP40 for the rack-mount version and at least IP54 for the panel-mount version when installed in accordance to the manufacturers instructions.
2. Cable entries for the panel and/or rack enclosure shall comply with clause 7.2.6 of prEN 50021:1998
3. The input and output circuits are for connection to non-sparking EEx nV circuits only.
4. Ambient temperature range -20 °C ... +60 °C.

All other data remain unchanged.

**Test Documentation**

	<u>signed</u>
1. Description (4 pages))	27.11.1998
2. Drawing No. ES-3300159 Rev.D (2 sheets)	29.09.1998
D-3300159 Rev.D (2 sheets)	21.07.1998

**AMENDMENT 1**

to EC-TYPE EXAMINATION CERTIFICATE KEMA 97ATEX4571 X

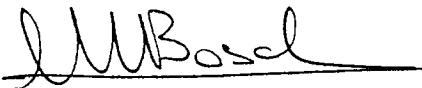
**Test Documentation** (continued)signed

Drawing No.	3300159 Rev.D (2 sheets)	21.07.1998
	3300158 Rev. B (5 sheets)	29.09.1998
	ES-3300678 Rev.A (9 sheets)	29.09.1998
	D-3300678 Rev. A (2 sheets)	29.09.1998
	3300678 Rev. A (4 sheets)	20.08.1998
	3300677 Rev. A (7 sheets)	29.09.1998
	3300725 Rev.A (4 sheets)	27.11.1998

## 3. Sample

Arnhem, 7 January 1999

by order of the Board of Directors of N.V. KEMA

C.M. Boschloo  
Certification Manager

## AMENDMENT 2

to EC-Type Examination Certificate KEMA 97ATEX4571 X

Manufacturer: **Micro Motion Inc.**

Address: **7070 Winchester Circle, Boulder CO 80301, USA**

### Description

In future the Batch Controller Series Model 3300 may also be constructed in accordance with the documentation stated below.

The modifications concern the APPS-boards.

A new APPS-board with a custody transfer option has been added.

The Model code has been changed to 3300.2..0.1B....

All other data remain unchanged.

### Test Documentation

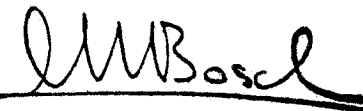
dated

1. Description (5 pages)	24.06.1999
2. Drawing No.	
ES-3300132 Rev.D (8 sheets)	13.05.1997
3300131 Rev.D (7 sheets)	13.05.1997
3300132 Rev.E (2 sheets)	17.10.1997
3300132 Rev.E (4 sheets)	17.11.1997
ES-3300579 Rev.A (9 sheets)	06.01.1998
3300578 Rev.A (7 sheets)	06.01.1998
D-3300579 Rev.A (2 sheets)	06.01.1998
3300579 Rev.D (4 sheets)	07.12.1998
ES-3300678 Rev.A (9 sheets)	11.08.1998
3300677 Rev.A (7 sheets)	11.08.1998
D-3300678 Rev.B (2 sheets)	25.08.1998
3300678 Rev.B (4 sheets)	19.04.1999
ES-3300849 Rev.A (9 sheets)	01.10.1999
3300848 Rev.A (7 sheets)	17.01.1999
D-3300849 Rev.A (2 sheets)	17.01.1999
3300849 Rev.A (4 sheets)	13.04.1999
ES-3300943 Rev.A	22.06.1999
3300944 Rev.A (4 sheets)	22.06.1999
D-3300943 Rev.A (2 sheets)	22.06.1999
3300943 Rev.-	22.06.1999
ES-0629400 Rev.A	14.04.1999


### 3. Samples

Arnhem, 30 June 1999.

by order of the Board of Directors of N.V. KEMA



C.M. Boschloo  
Certification Manager

Code:  II 3 G EEx nVL IIC T4

[99.3259]