

(1) **TYPE EXAMINATION CERTIFICATE**

- (2) Equipment intended for use in potentially explosive atmospheres – Directive 94/9/EC.
- (3) Type Examination Certificate Number: **KEMA 04ATEX1288 X**
- (4) Equipment: **Low Flow Sensor Model LF Series**
- (5) Manufacturer: **Micro Motion Inc.**
- (6) Address: **7070 Winchester Circle, Boulder, CO 80301, USA**
- (7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) KEMA Quality B.V. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment 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. 2077171-1.

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

**EN 50021 : 1999**

**EN 50281-1-1 : 1998 + A1**

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This Type Examination Certificate relates only to the design, examination and tests of the specified equipment and not to the manufacturing process and supply of the equipment.
- (12) The marking of the equipment shall include the following:

 **II 3 G and II 3 D    EEx nA II T4    T 135 °C**

Arnhem, 29 April 2005  
KEMA Quality B.V.



**C.G. van Es**  
Certification Manager

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

(13)

**SCHEDULE**

(14)

**to Type Examination Certificate KEMA 04ATEX1288 X**(15) **Description**

The Low Flow Sensor Model LF Series converts the mass flow and density of a gas or liquid into an electrical signal using a Coriolis mass flow sensor.

The enclosure provides a degree of ingress protection of at least IP 65 in accordance with EN 60529.

Ambient temperature range: 0 °C ... +65 °C.

**Electrical data**

Supply: 13 ... 27 Vdc, max 150 mA  
Output (digital): RS-485 serial interface

(16) **Report**

KEMA No. 2077171-1.

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

Provisions shall be made to prevent the rated voltage being exceeded by transient disturbances of more than 40 %.

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

Covered by the standard listed at (9).

(19) **Test documentation**

As listed in Test Report No. 2077171-1.