KEMA

(1) # EC-TYPE EXAMINATION CERTIFICATE

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **KEMA 04ATEX2182 X** Issue Number: **3**

(4) Equipment: **Multi-Variable Sensor, Model MVS205R**

(5) Manufacturer: **Fisher Controls International, LLC**

(6) Address: **1612 South 17th Avenue, Marshalltown, Iowa 50158, 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., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment 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 test report number 212374000.

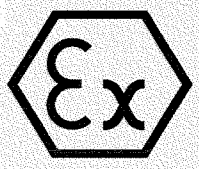
(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2006 **EN 60079-1 : 2007**
EN 61241-0 : 2006 **EN 61241-1 : 2004**

(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 EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:



II 2 G Ex d IIB T5
II 2 D Ex tD A21 IP66 T85°C

This certificate is issued on March 4, 2009 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

KEMA Quality B.V.

C.G. van Es
Certification Manager

PRODUCTS RvA C 001

KEMA Quality B.V., Utrechtseweg 310, 6812 AR Arnhem, P.O. Box 5185, 6802 ED Arnhem, The Netherlands

(13) # SCHEDULE

(14) **to EC-Type Examination Certificate KEMA 04ATEX2182 X** Issue No. **3**

(15) **Description**

The Multi-Variable Sensor, Model MVS205R consists of a transducer, electronics and terminal compartment. The Multi-Variable Sensor simultaneously measures static pressure, differential pressure and process temperature. All signals are converted to a digital signal and made available for further communication.

Ambient temperature range -40 to +75 °C.

Electrical data

Rated voltage ..... 8 to 30 Vdc
Rated current ..... max. 30 mA dc

Installation instructions

Cable connection
The cable entry device shall be certified in type of protection flameproof enclosure "d", suitable for the conditions of use and correctly installed.
For ambient temperatures over 70 °C, cables and cable glands suitable for at least 90 °C shall be used.

Conduit connection
An Ex d certified sealing device such as a conduit seal with setting compound shall be provided immediately to the entrance of the valve housing.
For ambient temperatures over 70 °C, the wiring and setting compound in the conduit seal shall be suitable for at least 90 °C.

The blanking elements of unused apertures shall be of a certified flameproof type, suitable for the conditions of use and correctly installed.

(16) **Test Report**

KEMA No. 212374000.

(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.

Threaded covers shall have at least 8 full threads engaged.

See installation instructions (15) for cable and conduit connection.

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 212374000.