

(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 04ATEX1102 X**

(4) Equipment or protective system: **Hand-Held Pressure Module Series 700PEX**

(5) Manufacturer: **Mensor Corporation**

(6) Address: **201 Barnes Drive, San Marcos, TX 78666, 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. 2071024.


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

EN 50014 : 1997 + A1, A2 EN 50020 : 2002 EN 50284 : 1999

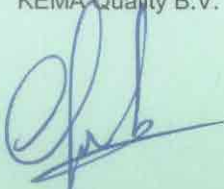
(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(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 G EEx ia IIC T4**

Arnhem, 10 November 2004
KEMA Quality B.V.



C.G. van Es
Certification Manager

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SCHEDULE

(13)

(14)

to EC-Type Examination Certificate KEMA 04ATEX1102 X

(15) **Description**

The hand-held pressure module series 700PEX measures the pressure using a resistive piezo pressure sensor and converts the measurement signal into a digital signal.

The pressure module is used in combination with and is powered by a separately certified hand-held pressure callibrator (e.g. model 718Ex).

Ambient temperature range 0 °C ... +50 °C.

Electrical data

Supply/output circuit in type of explosion protection intrinsic safety EEx ia IIC, only for connection to a certified intrinsically safe circuit, with the following maximum values:

U_i	=	8,7	V
I_i	=	598	mA
P_i	=	1,2	W
C_i	=	5,72	μ F
L_i	=	0	mH

(16) **Report**

KEMA No. 2071024.

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

For electrical data, see (15).

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

Covered by the standards listed at (9).

(19) **Test documentation**

		<u>dated</u>
Drawing No.	17572, Rev B	16.03.2004
	17573, Rev B	16.03.2004
	17574, Rev B	16.03.2004
	17584, Rev B	16.03.2004
	FLUKE-700-2007, Rev. 106 (2 sheets)	-
	FLUKE-700-2008, Rev. 109 (2 sheets)	-
	FLUKE-700-2013, Rev. 104	-
	FLK 700PEX-8001 Rev. 002	-