



(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 04ATEX 131-X

(4) Equipment or protective system: FISCO ST3000 Pressure Transmitter Series 900

(5) Manufacturer: Yamatake Corporation

(6) Address: 4-1-1 Omagari, Samukawa-machi, Koza-gun, Kanagawa-ken, 253-0113, Japan

(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. 2060467

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

EN 50014 : 1997 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 Ex ia IIC T4

Arnhem, 11 June 2004
KEMA Quality B.V.

C.G. van Es
Certification Manager

This certificate may only be reproduced in its entirety and without any change.

SCHEDULE

(13)

(14)

to EC-Type Examination Certificate KEMA 04ATEX1131 X**(15) Description**

The FISCO ST3000 Pressure Transmitter Series 900 is a two wire transmitter which converts a pressure signal into a Fieldbus signal.
The Pressure Transmitter can optionally be provided with an integral indicator.

Ambient temperature range -40 °C ... +60 °C.

Electrical data

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

U_i	=	17,5	V
I_i	=	380	mA
P_i	=	5,32	W
C_i	=	0	nF
L_i	=	0	mH

Installation instructions

From the safety point of view the circuit shall be considered to be connected to earth.
As this deviates from the FISCO system in accordance with IEC TS 60079-27 care has to be
taken that the (local) installation requirements are taken into account as well.

(16) Report

KEMA No. 2060467.

(17) Special conditions for safe use

Because the enclosure of the Pressure Transmitter is made of aluminium, if it is mounted in an
area where the use of category 1 G apparatus is required, it must be installed such, that, even
in the event of rare incidents, ignition sources due to impact and friction sparks are excluded.

(18) Essential Health and Safety Requirements

Covered by the standards listed at (9).

SCHEDULE

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to EC-Type Examination Certificate KEMA 04ATEX1131 X

(19) Test documentation

	<u>dated</u>
1. Description No. 74-1 Revision 00	08.08.2003
2. Drawing No. 80391630 Rev. 00	31.01.2003
80391631 Rev. 00	19.03.2003
80391632 Rev. 00	02.02.2003
80391633 Rev. 00	31.01.2003
80391634 Rev. 00	31.01.2003
80391635 Rev. 00	31.01.2003
80391636 Rev. 03	26.04.2004
80391637 Rev. 03	23.04.2004
80391638 Rev. 01	01.03.2004
80391639 Rev. 01	05.03.2004
80391640 Rev. 01	01.03.2004
80391641 Rev. 01	01.03.2004
80391642 Rev. 00	31.01.2003
80391643 Rev. 00	31.01.2003