

# (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 07ATEX0130** Issue Number: 1

(4) Equipment: **Temperature Transmitter type YTA...**

(5) Manufacturer: **Yokogawa Electric Corporation**

(6) Address: **2-9-32 Naka-cho, Musashino-shi, Tokyo. 180-8750 Japan**

(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 2107662.

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

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

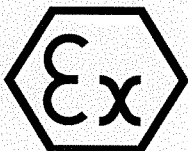
**EN 60079-1 : 2007**

**EN 61241-0 : 2006**

(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.

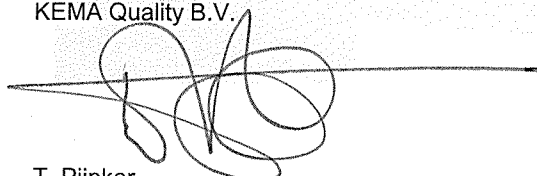
(12) The marking of the equipment shall include the following:



**II 2 G Ex d IIC T6/T5  
II 2 D Ex tD A21 IP67 T 70 °C / T 90 °C**

This certificate is issued on 30 November 2007 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.



T. Pijpker  
Certification Manager

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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 07ATEX0130**

Issue No. 1

(15) **Description**

The Temperature Transmitter type YTA..., with or without display, converts a measurement input signal of separately approved temperature sensors into an analogue and/or digital output signal.

Ambient temperature range:

-40 °C to +65 °C for maximum surface temperature T 70 °C

-40 °C to +75 °C for temperature class T6

-40 °C to +80 °C for maximum surface temperature T 90 °C and for temperature class T5

The enclosure provides a degree of protection of at least IP67 in accordance with EN 60529.

**Electrical data**

Power supply: .....	42 Vdc max. (4 to 20 mA type)
	32 Vdc max. (fieldbus type)
Input signal:.....	one or two thermocouples or 2-, 3- or 4-wire RTD's
Output circuit:.....	4 to 20 mA dc (4 to 20 mA type)
	17,5 mA (fieldbus type)

**Installation instructions**

Certified cable glands and blanking elements shall be used that are suitable for the application and correctly installed.

For an ambient temperature exceeding 70 °C, heat resistant cables suitable for at least 90 °C shall be used.

**Routine tests**

Routine tests according to clause 16 of EN 60079-1 are not required since the type test has been made at a static pressure of four times the reference pressure.

(16) **Test Report**

KEMA No. 2107662.

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

None.

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 2107662.

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