IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx CSA 05.0014 issue No.:2	Certificate history: Issue No. 2 (2012-2-16) Issue No. 1 (2007-6-12) Issue No. 0 (2005-9-27)
Status:	**Current**	
Date of Issue:	**2012-02-16** Page 1 of 5	

Applicant: **Yokogawa Electric Corporation**
2-9-32 Naka-cho, Musashino-shi
Tokyo, 180-8750
Japan

Electrical Apparatus: **Temperature Transmitter, Series YTA-F**
Optional accessory:

Type of Protection: **Ex i, Ex n**

Marking: IECEx CSA 05.0014 Ex ia IIC T4; Ex ia IIB T4; Ex nL IIC T4

Approved for issue on behalf of the IECEx Certification Body: Dorin Stochitoiu

Position: Technical Advisor

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

CSA International
178 Rexdale Boulevard
Toronto, Ontario M9W IR3
Canada
and
1707 - 94th Street
Edmonton, AB T6N 1E6
Canada

CSA INTERNATIONAL

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Manufacturer: **Yokogawa Electric Corporation**
2-9-32 Naka-cho, Musashino-shi
Tokyo, 180-8750
Japan

Manufacturing location(s):
Yokogawa Electric Asia Pte, Ltd.
5 Bedok South Road,
Singapore 469270
Singapore

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex produ covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Docume as amended.

STANDARDS:
The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identifi documents, was found to comply with the following standards:

IEC 60079-0 : 2000 Edition: 3.1	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-11 : 1999 Edition: 4	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'
IEC 60079-15 : 2001 Edition: 2	Electrical apparatus for explosive gas atmospheres - Part 15: Type of protection 'n'

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than thos expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

IECEx ATR:	File Reference:
CA/CSA/05/TR172608-1626019	**172608-1626019**
CA/CSA/ExTR12.0001/00 (CA/CSA/12/TR172608-2473902)	**172608-2473902**

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

Temperature Transmitter Series YTA-F
Type of Protection: Ex ia IIB/IIC T4, Ex nL IIC T4
Ambient Temperature: -40 to 60°C
Ambient Humidity: 0 to 100% (No condensation)
Degree of Protection of Enclosure: IP66 and IP67

CONDITIONS OF CERTIFICATION: NO

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EQUIPMENT(continued):

Electrical Data:
Intrinsic Safety Electrical Parameters
Ex ia IIC, only for connection to a certified intrinsically safe circuit, with following maximum values:Ui = 24V, Ii = 250mA, Pi = 1.2W, Ci = 1.5nF, Li = 8µH
or
Ex ia IIC, only for connection to a certified intrinsically safe circuit with the following maximum values:Ui = 17.5V, Ii = 360mA, Pi = 2.52W, Ci = 1.5nF, Li = 8µH
or
Ex ia IIB, only for connection to a certified intrinsically safe circuit with the following maximum values:Ui = 17.5V, Ii = 380mA, Pi = 5.32W, Ci = 1.5nF, Li = 8µH
Sensor Output, in type of explosion protection Ex ia IIC or Ex ia IIB, only for connection to a certified intrinsically safe circuit with the following maximum values:
Uo=7.7V, Io=70mA, Po=140mW, Co=1.6µF, Lo=7.2mH
Type "n" Electrical Parameters (Ex nL)
Ui = 32V, Ci = 1.5nF, Li = 8µH
Sensor Output: Uo=7.7V, Io=70mA, Po=140mW, Co=1.6µF, Lo=7.2mH

Model Code
Model No. - Suffix Code
YTA a – b A c d e/f/g a = Transmitter
And where suffixes b through e/f/g may be alphanumeric characters to denote output signal type, electrical connection, indicator, mounting, safety specification and other options not effecting safet

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1:
Typographical corrections only; No ExTR created
Issue 2:
(1) Editorial Corrections.
(2) Addition of alternative LCD Board.
(3) Addition of alternative incresaed power rating of resistors due to part supply issues, not affecting safety
(4) Change of CPU Board not related to critical IS circuits.
(5) Addition of laser method for markings.
QAR's: NL/DEK/QAR11.0022/00 and NL/DEK/QAR11.0026/01

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