



Member of the FM Global Group

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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**Model YTAa – bAcdefig. Temperature Transmitter.**

IS-AIS/I,II,III/1/ABCDEFGH/T4 Ta = 60°C - IFM020-A13 Pg1, 2, 2-1, 21 and 22; Entity; Type 4X

I/O/AEx ia IIC T4 Ta = 60°C - IFM020-A13 Pg1, 2, 2-1, 22 and 22; FISCO

NI-ANI/II/2/ABCD/T4 Ta = 60°C; IFM020-A13; NIFW; Type 4X

I/2/IIC/T4 Ta = 60°C; IFM020-A13; NIFW; Type 4X

S-ANI /II/2/FG/T4 Ta = 60°C IFM020-A13; NIFW; Type 4X

DIP/III/1/T4 Ta = 60°C; Type 4X

**Entity Parameters:**

Groups A, B, C, D, E, F, and G and Group IIC: Vmax = 24V Imax = 250mA Pi = 1.2W

Ci = 1.5nF Li = 8μH

**Nonincendive Field Wiring Parameters:**

Groups A, B, C, D, E, F, and G and Group IIC: Vmax = 32V Ci = 1.5nF Li = 8μH

**FISCO Parameters:**

Groups A, B, C, D, E, F, and G and Group IIC: Vmax = 17.5V Imax = 360mA Pi = 2.52W

Ci = 1.5nF Li = 8μH

Groups C, D, E, F, and G and Group IIB: Vmax = 17.5V Imax = 380mA Pi = 5.32W

Ci = 1.5nF Li = 8μH

**Maximum Entity and Nonincendive Field Wiring Parameters: Output Terminals**

Vt = 6.7 V, It = 60 mA, Ca = 10μF, La = 10mH, Po = 100 mW

a = Temperature transmitter: 320

b = Output Signal: F

c = Cable Conduit Connection: 2

d = Indicator: D or N

e = Mounting Bracket: B, D, J, K or N

f = Product Safety Specification: FS15

g = A, X1, X2, PX, D2, CM2, CF, Z, E1, LC1, LC2, PR, HC, N4

### Equipment Ratings:

Intrinsically safe, with Entity and FISCO parameters, for use in Class I, II, III Division 1, Groups A, B, C, D, E, F, G and Class I Zone 0 Group IIC, in accordance with manufacturing's Control Drawing No. IFM020-A13 Pg1, 2, 2-1, 21 and 22; Dust ignitionproof for Class III Division 1; nonincendive with nonincendive field wiring for Class I, Division 2, Groups A, B, C, D and Class I, Zone 2, Group IIC, special protection for Class II, Division 2, Groups F, G, in accordance with manufacturing's Control Drawing No. IFM020-A13 Pg1, 2, 2-1, 21 and 22, Hazardous (Classified) Indoor/Outdoor (TYPE 4X) Locations.



FM Approved for:

Yokogawa Electric Corporation  
Musashino-shi, Tokyo, 180-8750 Japan

This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	1998
Class 3610	2010
Class 3611	2004
Class 3810 Suppl. No. 1	1999
NEMA - 250	1991
ANSI/ISA-60079-0	2009
ANSI/ISA-60079-11	2009

Original Project ID: 3011795

Approval Granted: April 8, 2002

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3021518	August 27, 2004		
110209	April 29, 2011		
3041665	August 31, 2011		

FM Approvals LLC

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Timothy Adam  
Technical Team Manager

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31 Aug, 2011  
Date