



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

iTEMP type TMT 11abcde. Temperature Transmitters.

IS / I / 1 / ABCD / T4 Ta = 85°C - 14 17 01 111, Entity; NI / I / 2 / ABCD / T5 Ta = 85°C;

I / 0 / AEx ia IIC T4 Ta = 85°C - 14 17 01 111, Entity

Entity Parameters:

Table with 7 columns: Terminals, Groups, Vmax/Ui (V), Imax/Ii (mA), Pi (W), Ci (uF), Li (mH). Row 1: 1 and 2, A/B/IIC, 30, 100, 750, 0, 0

- a = Type: 1, 7, or 8.
b = Connection: 1,2,3,4, or A.
c = Sensor: 1,2,3,4,5,6,A,B,C,D,E,J,K,L,N,R,S,T, or U.
d = Setup: A, B, C, or D.
e = Model: A or B.

Specific Conditions for Use:

- 1. The temperature transmitter shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.
2. The TMT 181A interface module must be used when configuring the transmitter in the field.

iTEMP type TMT 112abcd. Temperature Transmitters.

IS / I / 1 / ABCD / T4 Ta = 85°C - 14 18 01 111, Entity; NI / I / 2 / ABCD / T5 Ta = 85°C;

I / 0 / AEx ia IIC T4 Ta = 85°C - 14 18 01 111, Entity

Entity Parameters:

Table with 7 columns: Terminals, Groups, Vmax/Ui (V), Imax/Ii (mA), Pi (mW), Ci (F), Li (H). Row 1: 5 and 6, A/B/IIC, 30, 100, 750, 0, 0

- a = Connection: 1,2,3,4, or A.
b = Sensor: 1,2,3,4,5,6,A,B,C,D,E,J,K,L,N,R,S,T, or U.
c = Setup: A, B, C, or D.
d = Model: A or B.

Specific Conditions for Use:

- 1. The temperature transmitter shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

Equipment Ratings:

Intrinsically safe apparatus for Class I, Division 1, Groups A, B, C, & D; and Class I, Zone 0, Group IIC indoor hazardous (classified) locations, in accordance with FM Control Drawing 14 18 01 111. Also as Nonincendive for Class I, Division 2, Groups A, B, C, & D and Class I, Zone 2 IIC indoor hazardous (classified) locations. The temperature class of the transmitters is T4 at 85°C for Division 1 applications and T5 at 85°C for Division 2 applications.

FM Approved for:

Endress+Hauser Wetzler GmbH + Co. KG
Nesselwang, Germany



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	1989
Including Supplement #1	1995

Original Project ID: 3018244

Approval Granted: December 16, 2003

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3042808	October 4, 2011		

FM Approvals LLC

J. E. Marquedant
Group Manager, Electrical

4 October 2011
Date