



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:

Terminals	Groups	V_{max}/U_i (V)	I_{max}/I_i (mA)	P_i (W)	C_i (μF)	L_i (mH)
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.

Special 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 / I / 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:

Terminals	Groups	V_{max}/U_i (V)	I_{max}/I_i (mA)	P_i (mW)	C_i (F)	L_i (H)
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.

Special 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.

Approved for:

Endress & Hauser Wetzer GmbH + Co.KG
Obere Wank 1
D-87484 Nesselwang
Germany



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

Class 3600	1998
Class 3810	1989
Class 3610	1999
Class 3611	2004

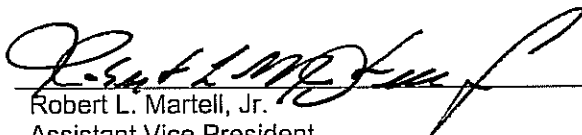
Original Project ID: 3018244

FM Approval Granted: December 16, 2003

Subsequent Revision Reports / Date FM Approval Amended

Report Number	Date	Report Number	Date
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FM Global Technologies LLC



Robert L. Martell, Jr.
Assistant Vice President
FM Approvals

FEB 10, 2005
Date