



FM Approvals  
1151 Boston-Providence Turnpike  
P.O. Box 9102 Norwood, MA 02062 USA  
T: 781 762 4300 F: 781 762 9375 www.fmglobal.com

# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

### *iTEMP TMT 184-Cabcd Headtransmitter*

IS/I/1/ABCD/T6 Ta = 50°C/T5 Ta = 65°C/T4 Ta = 85°C – 140700111, FISCO;  
I/O/AEx ia IIC T6 Ta = 50°C/T5 Ta = 65°C/T4 Ta = 85°C – 140700111, FISCO;  
NI/I/2/ABCD/T6 Ta = 50°C/T5 Ta = 65°C/T4 Ta = 85°C

#### FISCO Parameters

a) Supply circuit, terminals 1&2

V<sub>max</sub> = 17.5V, I<sub>max</sub> = 500 mA, P<sub>i</sub> = 5.5 W, C<sub>i</sub> = 0 μF L<sub>i</sub> = 0 mH

b) Sensor Circuit, terminals 3, 4, 5 and 6

V<sub>oc</sub> = 5V, I<sub>sc</sub> = 12mA, P<sub>o</sub> = 15mW, C<sub>a</sub> = 100μF, L<sub>a</sub> = 500mH (Groups A, B; Group IIC),  
L<sub>a</sub> = 1H (Groups C, D; Groups IIB, IIA)

#### *Special conditions*

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

#### Equipment Ratings:

Intrinsically safe apparatus for use in Class I, Division 1, Groups A, B, C, D; Class I, Zone 0, AEx ia IIC T4-T6 in accordance with FISCO requirements and Control Drawing 140700111  
Nonincendive for use in Class I, Division 2, Groups A, B, C, D

#### Approved for:

Endress and Hauser Wetzer GmbH + Co. KG  
D-87481 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 3610	1999
Class 3611	1999
Class 3810	1989
Supplement #1	1995

Original Project ID: 3017340

FM Approval Granted: 10-19-04

Subsequent Revision Reports / Date FM Approval Amended

Report Number	Date	Report Number	Date
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FM Global Technologies LLC

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

10-19-04  
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Date