

# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

***NRF 590-Sbcdefghijk. Tank Side Monitor.***

XP-AIS / I / 1 / ABCD / T6 Ta = 70°C — 960522-1050, Entity; Type 4X;  
DIP-AIS / II,III / 1 / EFG / T6 Ta = 70°C — 960522-1050, Entity; Type 4X;  
[I/O] AEx [ja] IIC — 960522-1050, Entity; Type 4X;  
NI-ANI / I / 2 / ABCD / T6 Ta = 70°C — 960522-1050, Entity; Type 4X  
S-ANI / II,III / 2 / FG / T6 Ta = 70°C — 960522-1050, Entity; Type 4X  
Entity Parameters:

\*See tables on control drawing 960522-1050 for details.

b = Non-IS field communication protocol (not relevant for safety): any single letter or number.

c = Power supply: A (18-55 V dc), B (55-253 V ac).

d = Spot RTD option: 0 without RTD temperature input, 1 input for RTD temperature probe (IS).

e = Digital I/O Module 1 (not relevant for safety): any single letter or number.

f = Digital I/O Module 2 (not relevant for safety): any single letter or number.

g = IS option module: 0 without IS option module or 1 with 4-20 mA IS option module.

h = Cable entry (non-IS): B (2 Ex d cable entries M20 × 1.5), C (2 Ex d cable entries G1/2"), D (2 Ex d cable entries 1/2" NPT), E (2 Ex d cable entries 3/4" NPT), F (2 cable entries G1/2"), G (2 cable entries G3/4"), H (3 Ex d cable entries M20 × 1.5), K (3 Ex d cable entries G1/2"), L (3 Ex d cable entries 1/2" NPT), M (2 Ex d cable entries G3/4"), × (special version, any single letter or number).

i = Cable entry (IS compartment, not relevant for safety): any single letter or number.

j = Custody transfer approvals (not relevant for safety): Any single letter of number.

k = Additional options (not relevant for safety): Any single letter of number.

### Equipment Ratings:

Explosionproof Class I, Division 1, Groups A, B, C, & D with Intrinsically Safe connections to Class I, Division 1, Groups A, B, C, & D; Dust-Ignitionproof Class II & III, Division 1, Groups E, F, & G with Intrinsically Safe connections to Class I, Division 1, Groups A, B, C, D, E, F, & G and connections to Class I, Zone 0, IIC; also as Nonincendive Class I, Division 2, Groups A, B, C, & D and Special protection Class II & III, Division 2, Groups F & G with nonincendive field wiring parameters; indoor/ outdoor hazardous (classified ) locations, utilizing Type 4X protection method.

### FM Approved for:

Endress+Hauser GmbH+Co. KG  
D-79689 Maulburg  
Germany

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

FM Class 3600	1998
FM Class 3610	1999
FM Class 3611	1999
FM Class 3615	1989
FM Class 3810	1989
includes supplement #1	1995
ANSI/NEMA 250	1991

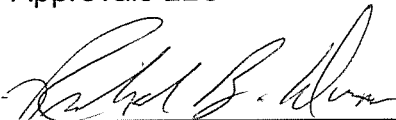
Original Project ID: 3008566

Approval Granted: February 25, 2002

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3017048	November 26, 2003		
3024147	May 11, 2005		
3031287	<i>December 11, 2007</i>		

FM Approvals LLC



Richard B. Dunne  
Group Manager

*December 11, 2007*  
Date