



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:

NB4x00abcde. Nivobob® NB4x00 Level Measuring System.

Type 4, IP66

a = Basic type C or D.

b = Certificate M or K.

c = Measurement range up to 30m (100ft) max.

d = Power supply 1, 2, 3 or 4.

e = Process connection W or any DIN, EN, ISO, ANSI, ASME or ASTM standard thread or flange.

Equipment Ratings:

The model listed above is suitable for use in ordinary (unclassified) locations, indoors and outdoors (Type 4 and IP66).

This certificate is issued for the following equipment:

NB4x00abcde. Nivobob® NB4x00 Level Measuring System.

DIP/II,III/1/EFG/*; Type 4, IP66

a = Basic type C or D.

b = Certificate L or N.

c = Measurement range up to 30m (100ft) max.

d = Power supply 1, 2, 3 or 4.

e = Process connection W or any DIN, EN, ISO, ANSI, ASME or ASTM standard thread or flange.

Notes:

1) *The manufacturer's operating ambient temperature ranges are defined as follows:*

-40°C to +60°C (for process temperatures up to +80°C)

-40°C to +50°C (for process temperatures up to +90°C)

-40°C to +40°C (for process temperatures up to +150°C)

2) **The manufacturer's T-code ratings are defined by the maximum ambient temperature and either the thermal fuse rating or maximum process temperature, whichever is greater. See table below for permissible T-codes:*

Max. ambient temp	Max. process temp	Max. surface temp	T-code
60°C	80°C	117°C	T4A
50°C	90°C	117°C	T4A
40°C	100°C	117°C	T4A
	110°C	117°C	T4A
	120°C	120°C	T4A
	130°C	130°C	T4
	135°C	135°C	T4
	140°C	140°C	T3C
	150°C	150°C	T3C

Equipment Ratings:

The model listed above is Dust-ignitionproof for Class II, Division 1, Groups E, F and G, Class III, Division 1 hazardous (classified) locations, indoors and outdoors (Type 4 and IP66).

FM Approved for:

UWT GmbH

Betzigau, Germany



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

Class 3600	2011
Class 3810	2005
ANSI/NEMA 250	1991
ANSI/IEC 60529	2004

Original Project ID: 3039367

Approval Granted: August 31, 2010

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
RR202511	September 22, 2015		

FM Approvals LLC

J.E. Marquedant
Manager, Electrical Systems

22 September 2015

Date