



FM Approvals  
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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

***AH7abdLefghijkINT. Humidity/Temperature Transmitter and Sensor.***

XP-IS / I / I / BCD / T4 Ta = 80°C - INST1046SP; DIP-IS / II,III / 1 / EFG / T4 Ta = 80°C - INST1046SP; Type 4X

- a = Connection Head: 1, 2, or 3.
- b = Probe Diameter: 1, 2, or 3.
- d = Threads: P1, P2, P3, P4, P5 or P6.
- e = Insertion Depth: 3-999.
- f = Filter Type: T1 or T2.
- g = Transmitter Model Number: HT48.
- h = Channel 1 Output: 0-9.
- i = Display: A-Z.
- j = Signal Output: 0-9.
- k = Transmitter Calibration: A-Z.
- l = Calibration Accuracy: 00-99.

***HT88noqrs Humidity/Temperature Transmitter and Sensor***

XP-IS / I / I / BCD / T4 Ta = 80°C - INST1046SP; DIP-IS / II,III / 1 / EFG / T4 Ta = 80°C - INST1046SP; Type 4X

- n = Connection Head: 0, 5D, or 5N
- o = Transmitter Calibration: A-Z
- p = Calibration Accuracy: 0-99
- q = Channel output (NT = no output)
- r = Insertion Depth: 3-999
- s = Agency Approval: FX



## Equipment Ratings:

Explosionproof with Intrinsically Safe sensor for Class I, Division 1, Groups BCD, T4 Ta = 80°C, dust-ignitionproof with Intrinsically Safe sensor for Class II-III, Division 1, Groups EFG, T4 Ta = 80°C; indoor and outdoor (Type 4X) hazardous (classified) locations when connected in accordance with Control Drawing INST1046SP.

## FM Approved for:

Minco Products, Inc.  
Minneapolis, MN, USA



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

Class 3600	1998
Class 3610	1999
Class 3615	1989
Class 3810	2005
ANSI/NEMA 250	1991

Original Project ID: 3024571

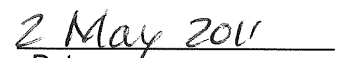
Approval Granted: February 6, 2006

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
090624	July 7, 2009		
101216			

FM Approvals LLC

  
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J. E. Marquedant  
Group Manager, Electrical

  
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Date