



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:

**07866DHH2-a-b-c-d-e-f. Digital Thermal Conductivity Gas Analyzer (Triple Range).**

XP / I / 1 / ABCD / T6 Ta = 50°C; DIP / II,III / 1 / EFG / T6 Ta = 50°C; Type 4, IP65

- a = Sensor Power Supply/Line Voltage: 2 or 4.
- b = Output (PV Range): 1 or 2.
- c = Communications (3 digit code): 000 or 101.
- d = Indicator Use: 1 or 2.
- e = Factory Code (3 digit code): 000.
- f = Tagging (3 digit code): 000, 206 or 208.

**07866DO2-a-b-c-d-e-f-g-h. Digital Thermal Conductivity Gas Analyzer (Single Range).**

XP / I / 1 / ABCD / T6 Ta = 50°C; DIP / II,III / 1 / EFG / T6 Ta = 50°C; Type 4, IP65

- a = Sensor Power Supply/Line Voltage: 2 or 4.
- b = Output (PV Range): 1 or 2.
- c = Communications (3 digit code): 000 or 101.
- d = Background Gas: 1, 2, 4 or 5.
- e = Range (6 digit code): 001000, 002000, 005000, 010000, 015000, 020000, 030000, 050000, 075000, 080000, 090000, 095000, 098000, 103000, 111000, 503000, 506000, 510000, 514000, 515000, 516000, 518,000, 519000, 548000 and 575000.
- f = Sensor Unit: 3 or 7.
- g = Factory Code: 0.
- h = Options (3 digit code): 000, 206 or 208.

### Equipment Ratings:

7866 Thermal Conductivity Gas Analyzer Sensors as Explosionproof for Class I, Division 1, Groups A, B, C and D, T6 Ta = 50°C; Dust-Ignitionproof for Class II/III, Division 1, Groups E, F and G, T6 Ta = 50°C; hazardous (classified) locations, Type 4, IP65 (indoors and outdoors).

### FM Approved for:

Honeywell International Industrial Measurement & Control  
Fort Washington, PA

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

Class 3600	1998
Class 3615	1989
Class 3810	1989
Including Supplement #1	1995
ANSI/NEMA 250	1991
ANSI/IEC 60529	2004

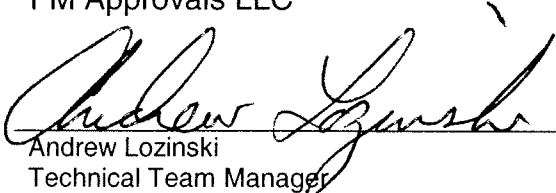
Original Project ID: 3020326

Approval Granted: December 21, 2005

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
061010	<i>October 18, 2006</i>		

FM Approvals LLC



Andrew Lozinski  
Technical Team Manager

*18 October 2006*  
Date