



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:

a82bcde0g1ijk pH and Conductivity Transmitters

IS / I,II,III / 1 / ABCDEFG / TC3 Ta = 60°C — P0807 and P0884 Entity; Type 4X;
NI / I / 2 / ABCD / T5 Ta = 60°C; - P0807 and P0884 Entity; Type 4X

- a = TB for Advantage Series Transmitter
- b = Input: PH, EC, TE, TC or DZ
- c = Programming Options: 1 Basic; 2 Advanced
- d = Digital Communication Option
0 None; 1 HART; 2 Foundation Fieldbus; 3 Profibus PA
- e = Lightning Suppressor: 0 None; 1 Included
- f = Housing Type: 0 Front Bezel
- g = Mounting Hardware: 0 None; 1 Pipe; 2 Hinge; 3 Panel; 4 Wall
- h = Agency Approval: 1 Factory Mutual
- i = Identification Tag: 0 None; 1 Stainless Steel; 2 Mylar

Special conditions of Use:

The following sensors are Approved for use with the Transmitters: AP30, AP20, AP10, 2867, 765, 766, 767, 2045, 2077, 2278, 2025, 2078, 2085

Equipment Ratings:

IS / I,II,III / 1 / ABCDEFG / TC3 Ta = 60°C — P0807 and P0884 Entity; Type 4X;
NI / I / 2 / ABCD / T5 Ta = 60°C; - P0807 and P0884 Entity; Type 4X
Intrinsically safe apparatus for use in Classes I, II and III, Division 1, Groups A,B,C,D,E,F and G in accordance with entity and FISCO requirements and ABB Installation Drawing Nos. P0807 and P0884; non-incendive for Class I, Division 2, Groups A,B,C and D; suitable for Class II, III, Division 2, Group F and G hazardous indoor/outdoor (NEMA 4X) locations.

FM Approved for:

ABB Inc
9716 South Virginia St, Suite E,
Reno NV 89511

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

Class 3600	1998
Class 3611	1999
Class 3810	1989
Class 3610	1988

Original Project ID: 3017849

Approval Granted: September 22, 2003

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
060222	March 22, 2006		
070103	February 14, 2007		
070207	February 26, 2007		

FM Approvals LLC



Timothy J. Adam
Technical Team Manager

27th February, 2007
Date