



FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

PS-EX1P. Power Supply

AIS / / / 1 / CD – 71148312A

Special conditions of use:

1. To be used with scale specified on Control Drawing 71148312A.

PANDA 7/(b)X. Scale

IS / / / 1 / CD / T4 -71148312A; Entity

Entity Parameters:

Supply: $V_{max} = 14.3V$, $I_{max} = 2.28A$, $P_i = 4.14W$, $C_i = 110nF$, $L_i = 0$

Data I/O, Pins 3 to 5: $V_{max} = 11V$, $I_{max} = 26mA$, $P_i = 72mW$, $C_i = 1.3nF$, $L_i = 0$

Data I/O, Pins 2 to 5: $V_{oc} = 11V$, $I_{sc} = 26mA$, $P_o = 72mW$, $C_a = 1\mu F$, $L_a = 15mH$

b = Customer configuration, up to 3 characters.

Equipment Ratings:

PS-EX1P Power Supply:

Intrinsically safe outputs for connection to Class I, Division 1, Groups C and D hazardous (classified) locations.

PANDA 7/bX Scale:

Intrinsically safe for Class I, Division 1, Groups C and D indoor hazardous (classified) locations, Temperature Classification T4

Approved for:

Mettler-Toledo GmbH, Industry
Sonnenbergstrasse 74
CH-8603 Schwerzenback
Switzerland



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

| | |
|------------|------|
| Class 3600 | 1998 |
| Class 3610 | 1999 |
| Class 3611 | 1999 |
| Class 3810 | 1989 |

Original Project ID: 3015308

FM Approval Granted: December 4, 2002

Subsequent Revision Reports / Date FM Approval Amended

| Report Number | Date | Report Number | Date |
|---------------|------|---------------|------|
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FM Global Technologies LLC

Nicholas P. Ludlam
Technical Team Manager

December 6, 2002
Date

An FM Global Enterprise