

FM Approvals  
1151 Boston Providence Turnpike  
P.O. Box 9102 Norwood, MA 02062 USA  
T: 781 762 4300 F: 781-762-9375 www.fmapprovals.com



# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

***ACM500-abb. Communication Box.***

AIS / I, II, III / 1 / ABCDEFG — 72191600; Entity; IP66

a = CL (current loop interface), FO (fiber-optic interface)

bb = designation of max. two optional boards with no impact on explosion protection

Entity Parameters (CL Option only):

Connector COM4:  $U_i = 10V$ ,  $I_i = 300mA$ ,  $P_i = 500mW$ ,  $C_i = 120nF$ ,  $L_i = 0mH$ .

Connector COM5:  $U_i = 10V$ ,  $I_i = 300mA$ ,  $P_i = 500mW$ ,  $C_i = 120nF$ ,  $L_i = 0mH$

FO Option – No electrical output, signal is optical only, maximum optical power 5mW for each output channel.

### Equipment Ratings:

Associated Intrinsically Safe (Entity) for connection to Class I, II, III, Division 1, Groups A, B, C, D, E, F and G; in accordance with Control Drawing 7219600; IP 66 Indoor Hazardous (Classified) Locations

### FM Approved for:

Mettler-Toledo (ChangZhou) Measurement Technology Ltd  
ChangZhou, JiangSu, 213125, P. R. of China



Member of the FM Global Group

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

Class 3600	1998
Class 3610	2010
Class 3810	2005
ANSI/ISA 60529	2004

Original Project ID: 3034372

Approval Granted: November 26, 2008

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
100305	20 <sup>th</sup> April 2010		

FM Approvals LLC

Timothy Adam  
Technical Team Manager

20<sup>th</sup> April 2010  
Date



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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

***ACM500-abb. Communication Box.***

AIS / I, II, III / 1 / ABCDEFG— 72191600; Entity; IP66

a = CL (current loop interface), FO (fiber optic interface)

bb = designation of max. two optional boards with no impact on explosion protection

Entity Parameters (CL Option only):

Connector COM4:  $U_i = 10V$ ,  $I_i = 300mA$ ,  $P_i = 500mW$ ,  $C_i = 120nF$ ,  $L_i = 0mH$

Connector COM5:  $U_i = 10V$ ,  $I_i = 300mA$ ,  $P_i = 500mW$ ,  $C_i = 120nF$ ,  $L_i = 0mH$

FO Option – No electrical output, signal is optical only, maximum optical power 5mW for each output channel.

*Specific Condition of Use: It is the responsibility of the manufacturer to provide warning markings in French where required by the local jurisdictions within Canada.*

### Equipment Ratings:

Associated Intrinsically Safe (Entity) for connection to Class I, II, III, Division 1, Groups A, B, C, D, E, F and G; in accordance with Control Drawing 7219600; IP 66 Indoor Hazardous (Classified) Locations

### FM Approved for:

Mettler-Toledo (ChangZhou) Measurement Technology Ltd  
ChangZhou, JiangSu, 213125, P. R. of China

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

CSA C22.2 No. 157	1992
CSA C22.2 No. 142	1990
CSA C22.2 No. 1010.1	2004
CSA C22.2 No. 60529	2005

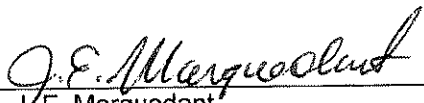
Original Project ID: 3034372C

Approval Granted: *November 26, 2008*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

  
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J.E. Marquedant  
Group Manager, Electrical

*26 November 2008*  
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Date