



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:

707-Ex. Loop Calibrator.

NI-AIS / I / 2 / ABCD / T4 Ta = 50 °C

NI-ANI / I / 2 / ABCD / T4 Ta = 50 °C

AIS / I / 2 / ABCD / - Fluke 707Ex CCD Entity

ANI / I / 2 / ABCD / - Fluke 707Ex CCD Nonincendive Field Wiring

Entity Parameters:

Vmax = 30 V, I_{max} = 250 mA, P_i = 0.7 W, C_i = 10 nF, L_i = 0

Voc = 27.6 V, I_{sc} = 26.4 mA, P_o = 0.7 W, Co (Ca) = 76 nF, Lo (La) = 2.5 mH

Nonincendive wiring parameters

Vmax = 30 V, C_i = 10 nF, L_i = 0

Voc = 27.6, I_{sc} = 26.4 mA, Co = 200 nF, Lo = 86 mH

Equipment Ratings:

Suitable for use in Class I, Division 2, Groups A, B, C, and D hazardous (classified) locations with intrinsically safe connections for Class I, Division 1, Groups A, B, C, and D and with nonincendive field wiring connections hazardous (classified) locations

FM Approved for:

ecom instruments GmbH
D-97959 Assamstadt Germany



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 3611 | 2004 |
| Class 3810 | 1989 |

Original Project ID: 3016196

Approval Granted: May 9, 2003

Subsequent Revision Reports / Date Approval Amended

| Report Number | Date | Report Number | Date |
|---------------|--------------|---------------|------|
| 3041948 | May 18, 2011 | | |

FM Approvals LLC

J. E. Marquedant
Group Manager, Electrical

18 May 2011

Date