

Member of the FM Global Group

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

#### IPAQ-HX. Temperature Transmitter.

IS / I / 1 / ABCD / T4 Ta = -40°C to +80°C - 3-7851; Entity Entity Parameters (Terminals 5 and 6):  $V_{Max}$  = 30 V,  $I_{Max}$  = 100 mA,  $P_{Max}$  = 900 mW,  $C_i$  = 0,  $L_i$  = 2.5 mH.

# **Equipment Ratings:**

Intrinsically Safe Apparatus for use in Class I, Division 1, Groups A, B, C and D, T4 Ta = -40°C to +80°C hazardous (Classified) locations in accordance with manufacturer's Control Drawing Number 3-7851.

# IPAQ-LX. Temperature Transmitter.

AIS / I, II, III / 1 / ABCDEFG - 3-7852; Entity Input Parameters (Terminals 5 and 6):  $V_{Max} = 30 \text{ V}, I_{Max} = 100 \text{ mA}, P_{Max} = 900 \text{ mW}.$  Entity Parameters (Terminals 1, 2, 3 and 4):  $V_{oc} = 30 \text{ V}, I_{sc} = 25 \text{ mA}, C_a = 0.12 \ \mu\text{F}, L_a = 56.8 \text{ mH}.$ 

# **Equipment Ratings:**

Associated Intrinsically Safe Apparatus providing outputs for connection to Class I, II, III, Division 1, Groups A, B, C, D, E, F and G hazardous (Classified) locations in accordance with manufacturer's Control Drawing Number 3-7852.

### FM Approved for:

INOR Process AB Malmo, Sweden



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

Class 3600	2011
Class 3610	2010
Class 3810	2005

Original Project ID: 0D6A8.AX Approval Granted: August 8, 1997

Subsequent Revision Reports / Date Approval Amended

Report Number Date Report Number Date

050929 October 19, 2005 070814 August 31, 2007 3042212 May 7, 2012

FM Approvals LLC

Timothy Adam

**Technical Team Manager** 

May 7, 2012

Date

