IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx KIWA 16.0018X	Issue No: 0	Certificate history: Issue No. 0 (2017-01-24)
Status:	**Current**	Page 1 of 4	
Date of Issue:	**2017-01-24**		
Applicant:	**INOR Process AB** Travbanegatan 10, 213 77 Malmö **Sweden**		
Equipment: *Optional accessory:*	**Temperature Transmitter, Model IPAQ R330X**		
Type of Protection:	**Ex ia**		
Marking:	Ex ia IIC T6 ... T4 Ga		

Approved for issue on behalf of the IECEx Certification Body: Pieter van Breugel

Position: Certification Officer

Signature:
(for printed version)

Date: 24th of January 2017

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Kiwa Nederland B.V. (Unit Kiwa ExVision)
Wilmersdorf 50
7327 AC Apeldoorn
P.O. Box 137
The Netherlands

kiwa
Partner for progress

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Manufacturer:	**INOR Process AB** Travbanegatan 10, 213 77 Malmö **Sweden**	

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

NL/KIWA/ExTR16.0020/00

Quality Assessment Report:

DK/ULD/QAR11.0003/03

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Rail mounted Temperature Transmitter Model IPAQ R330X, with a non-metallic enclosure, is a loop powered device that converts the measurement signal of temperature sensors (RTD or thermocouple) or resistance or mV signals into a 4 - 20 mA output signal.

The transmitter is provided with a mini USB connector for connection of a programming device.

Electrical data

Supply and output circuit (terminals 21 and 22):
In type of protection intrinsic safety Ex ia IIC, only for connection to a certified intrinsically safe circuit; with following maximum values:
U_i = 30 V; I_i = 100 mA; P_i = 0.9 W; C_i = 23.1 nF; L_i = 20 µH.

Sensor circuits (terminals 1 ... 4):
In type of protection intrinsic safety Ex ia IIC, with following maximum values:
U_o = 30 V; I_o = 54 mA; P_o = 405 mW; C_o = 38.1 nF; L_o = 11 mH.

Communication interface (mini USB connector):
Only for connection to the associated ICON-X or ICON Interface.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The communication interface (USB connection) may only be connected to the associated ICON Interface if the temperature transmitter is outside of the hazardous area.
- If certified ICON-X interface is used, a connected sensor may be located in the hazardous area.
- If non-Ex ICON interface is used, a connected sensor shall not be located in the hazardous area.
- For the applicable ambient temperature range, refer to the General product information.
- The transmitter shall be mounted in to a suitable enclosure that provides a degree of protection of at least IP20.

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Additional information:

Thermal data

Ambient temperature range:
-40 °C to +60 °C for temperature class T6;
-40 °C to +75 °C for temperature class T5;
-40 °C to +85 °C for temperature class T4.