

# CERTIFICATE OF CONFORMITY

- HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
- Certificate No:** FM18US0117X
- Equipment:** ICON-X USB Configuration Interface  
**(Type Reference and Name)**
- Name of Listing Company:** INOR Process AB
- Address of Listing Company:** PO Box 9125  
SE-200 39 Malmo  
Sweden
- The examination and test results are recorded in confidential report number:  
  
3062739 dated 16<sup>th</sup> July 2018
- FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:  
  
FM Class 3600:2018, FM Class 3610:2018, FM Class 3810:2018,  
ANSI/ISA 60079-0:2013, ANSI/ISA 60079-11:2014, ANSI/ISA 61010-1:2012
- If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
- This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
- Equipment Ratings:**  
  
Associated Intrinsically Safe Apparatus for connections to Class I, Division 1, Groups A, B, C, and D hazardous (classified) locations in accordance with drawing 4006801801, Associated Intrinsically Safe Apparatus [AEx ia Ga] IIC hazardous (classified) locations. Ta = 0°C to +50°C.

**Certificate issued by:**

  
\_\_\_\_\_  
J.E. Marquedant  
VP, Manager - Electrical Systems

19 October 2020  
\_\_\_\_\_  
Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

# SCHEDULE



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11. The marking of the equipment shall include:

Associated Intrinsically Safe for CLI, DIV 1, GP ABCD, Entity 4006801801

CLI, ZN0 [AEx ia Ga] IIC Entity 4006801801

Ta = 0°C to +50°C

12. **Description of Equipment:**

**General** - The USB Configuration Interface Model ICON-X is used with the IPAQ C330X and R330X programmable transmitters designed mainly for temperature measurements in the process industry. The USB Configuration Interface Model ICON-X is used for zero, span, and linearization in the input processing calibration through a PC's USB port to the transmitter via the USB Configuration Interface Model ICON-X. The USB Configuration Interface Model ICON-X is only used when the transmitter is in safe, non-hazardous area and is designed with Intrinsic Safety protection to protect the safety components in the IPAQ C330X and R330X programmable transmitters.

**Construction** - The USB Configuration Interface Model ICON-X is housed in a plastic enclosure.

**Ratings** - The USB Configuration Interface Model ICON-X has the following electrical ratings;

In type of protection intrinsic safety, Energy limitation parameters:

Uo/Voc:9.4Vdc, Io/Isc:≤ 96mA, Po:680mW, Lo/La:1mH, Co/Ca:1uF

The Input connection to the USB Configuration Interface Model ICON-X has the following max values: +5.25VDC, Um = 250VAC 50/60Hz is used for Intrinsic Safety evaluation.

13. **Specific Conditions of Use:**

1. The USB Configuration Interface Model ICON-X can only be used outside of the hazardous area.

14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

16. **Certificate History**

Details of the supplements to this certificate are described below:

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# SCHEDULE



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US Certificate Of Conformity No: FM18US0117X

Date	Description
16 <sup>th</sup> July 2018	Original Issue.
19 <sup>th</sup> October 2020	<u>Supplement 1:</u> Report Reference: – RR225461 dated 19 <sup>th</sup> October 2020. Description of the Change: Corrected certificate number error from FM17US0117X to FM18US0117X in document header.

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