



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx FMG 14.0024X**

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Certificate history:

Status: **Current**

Issue No: 6

Issue 5 (2024-02-14)

Issue 4 (2022-10-18)

Issue 3 (2021-08-23)

Issue 2 (2018-07-02)

Issue 1 (2016-04-11)

Issue 0 (2015-08-04)

Date of Issue: 2024-09-13

Applicant: **Endress+Hauser Yamanashi Co., Ltd.**  
862-1 Mitsukunugi Sakaigawa-cho  
Fuefuki-shi Yamanashi Pref. 406-0846  
**Japan**

Equipment: **NAR300 Oil Leak Detector System**

Optional accessory:

Type of Protection: **Intrinsic safety "ia", Flameproof "db"**

Marking: Float Sensor

Ex ia IIB T5 Ga Ta = 60°C - IP67

Transmitter

Ex ia [ia Ga] IIB T4 Gb Ta = 60°C - IP67

Converter NRR261

Ex db ia [ia Ga] IIB T4 Gb Ta = 60°C;

Ex db [ia Gb] IIB T6 Gb Ta = 60°C - IP67

Converter NRR262

[Ex ia Gb] IIB Ta = 60°C - IP20

Approved for issue on behalf of the IECEx  
Certification Body:

**J. E. Marquedant**

Position:

**VP, Manager - Electrical Systems**

Signature:  
(for printed version)

Date:  
(for printed version)

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Certificate issued by:

**FM Approvals LLC**  
**One Technology Way**  
**Norwood MA 02062**  
**United States of America**



Member of the FM Global Group



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Manufacturer: **Endress+Hauser Yamanashi Co., Ltd**  
862-1 Mitsukunugi Sakaigawa-cho  
Fuefuki-shi Yamanashi Pref. 406-0846  
**Japan**

Manufacturing  
locations:

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 equipment 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 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-1:2014** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

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

**IEC 60079-25:2020** Explosive atmospheres - Part 25: Intrinsically safe electrical systems  
Edition:3.0

This Certificate **does not** indicate compliance with 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 Reports:

US/FMG/ExTR14.0025/00  
US/FMG/ExTR14.0025/03  
US/FMG/ExTR14.0025/06

US/FMG/ExTR14.0025/01  
US/FMG/ExTR14.0025/04

US/FMG/ExTR14.0025/02  
US/FMG/ExTR14.0025/05

Quality Assessment Report:

DE/TUN/QAR06.0003/10



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

### ***NAR300-abAcde. Float Sensor and Transmitter for Oil Leak Detector System.***

a = Approval B

b = Type 1, 5, 6 or 9

c = Signal Cable A, B, C, D, E, F or Y

d = Float Guide 1, 2, 3, 9 or Y

e = Cable Entry A, B, C, E, F or Y

### ***NRR261-abc. Converter and Transmitter for Oil Leak Detector System.***

a = Approval B or E

b = Power Supply A or B

c = Cable Entry Q, R, T, U, or W

### ***NRR262-ab. Converter for Oil Leak Detector System.***

a = Approval B

b = Power Supply A or B

## SPECIFIC CONDITIONS OF USE: YES as shown below:

1. *Contact manufacturer for flamepath joint details if repair is required.*
2. *Potential Electrostatic Discharge hazard, clean surfaces with a damp cloth.*



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Change to conformal coating material used on the Power board and CPU board of the NAR300 to add new conformal coating material options.
2. Change to the electronic components on the converter board to include additional options for parts.