

# CERTIFICATE OF COMPLIANCE



**EL Class I**

**Date of issue: 20 March 2023**

**Valid until: 31 December 2026**

*EHEDG hereby declares that the product*

***Micropilot (O)FMR6x(B) and (O)FMR4x(B) with integrated PEEK antenna, EPDM  
O ring and thread connection M24***

*from*

*Endress+Hauser SE+Co.KG, Hauptstrasse 1 , 79689 Maulburg, Germany*

*has/have been evaluated for compliance and meets/meet the current criteria for  
Hygienic Equipment Design of the EHEDG*

***Certificate No. EHEDG-C2300020***

Signed  President EHEDG  
Hein Timmerman

Signed  EHEDG Certification Officer  
Karlijn Faber

**EHEDG**  
**Karspeldreef 8**  
**1101 CJ Amsterdam**  
**Netherlands**

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## EHEDG Certification – Equipment Evaluation Form

Design Evaluation Date: 09.11.2022

EHEDG File Number: EHEDG-C2200075

Certification Type: EL CLASS I

Applicant: **Endress+Hauser SE+Co. KG, 79689 Maulburg, Germany**

Equipment: Micropilot (O)FMR6x(B) and (O)FMR4x(B) with integrated PEEK antenna, EPDM O-ring and thread connection M24

Other essential identification:

**Evaluated by:**

Name: Dr. Nicolas ROSSI

**Approved by:**

Name : Alan Friis

Title: AEO,

Date, Signature: \_\_23/03 2023



1. Results of inspection for compliance with the EHEDG Hygienic Design Criteria.

Conclusion:

**The equipment complies with the criteria.**

YES ☐

**The use of the EHEDG Certification logo is justified:**

MAYBE ☒

2. Evidence for compliance provided and convincing for Certification.

Conclusion:

**The equipment complies with the criteria where possible.**

YES ☒

**The use of the EHEDG Certification logo is justified:**

Signature: N ROSSI

Date: 13.03.2023



*The original of this form will be kept by EHEDG together with the application, the inspection report, the evidence provided and any other relevant documentation, as listed on the back.*

### Appendix 3

No.	Description
1.	EHEDG Certificate of Compliance
2.	Contract to use the EHEDG Certification Logo for equipment
3.	Appendix 1: Equipment intended for cleaning-in-place with liquids without dismantling
4.	Appendix 2: conditions for use of the EHEDG Certification Logo
5.	Appendix 3: Equipment evaluation form
6.	Evaluation report of the design of the Micropilot (O)FMR6x(B) and (O)FMR4x(B) with integrated PEEK antenna, EPDM O-ring and thread connection M24, no. IN 401- Rev HE v1- 22.12.21
7.	Test report no. 002ACT2019
8.	Drawings of the Micropilot (O)FMR6x(B) and (O)FMR4x(B) with integrated PEEK antenna, EPDM O-ring and thread connection M24, drawing no. 961006706 A original stamped
9.	Cleaning and Installation manual provided by the equipment supplier

## Appendix 3

### *Installation and Cleaning*

- Instructions provided containing information regarding easy cleanable installation.
- Pipe connections provided are in accordance with the EHEDG position paper for accepted couplings with the use of special gaskets specified as applicable (available on the EHEDG website [www.ehedg.org](http://www.ehedg.org)).
- Cleaning is done together with the CIP of the pipeline or tank.

### *Adhesives, Lubricants and Signal transfer liquids*

- No adhesives, signal transfer liquids are used in the sensor construction where they can come into contact with the product.
- A lubricant (not in contact with food) is required, the Unisikon L 250 L grade H1 is proposed.

### *Results of the EHEDG test method*

- The in-place cleanability test method has proven that the these Micropilot (O)FMR6x(B) and (O)FMR4x(B) with integrated PEEK antenna, EPDM O-ring and thread connection M24 is easy to clean. There were no problems in cleaning the product contact surfaces and the joints of the sensor. The cleanability was comparable to the degree of cleanability of the reference pipe. These Micropilot (O)FMR6x(B) and (O)FMR4x(B) with integrated PEEK antenna, EPDM O-ring and thread connection M24 has a comparable product contact area design with the whole range.

### *Conclusion*

The Hygienic Design Criteria Evaluation Report concludes that these Micropilot (O)FMR6x(B) and (O)FMR4x(B) with integrated PEEK antenna, EPDM O-ring and thread connection M24 comply with the applicable EHEDG Hygienic Design Criteria for Hygienic Equipment Class I and the use of the EHEDG Certified logo Type EL CLASS I is justified.

**Dr.-Ing. N. ROSSI**  
**19.12.2022**

