



**EL Class I**

**Date of issue: 9 September 2024**

**Valid until: 31 December 2025**

*EHEDG hereby declares that the product*

***optical NIR backscatter sensors EXspect271 and EXplore171***

*from*

*Exner Process Equipment GmbH, Carl-Metz-Straße 26 , 76275 Ettlingen, Germany*

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

***Certificate No. EHEDG-C2400037***

Signed \_\_\_\_\_ *Hein Timmerman* \_\_\_\_\_ *President EHEDG*

Signed \_\_\_\_\_ *Karlijn Faber* \_\_\_\_\_ *EHEDG Certification Officer*

**EHEDG**  
**Karspeldreef 8**  
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**Netherlands**

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## APPENDIX 3 EHEDG Certification – Equipment Evaluation Form

Design Evaluation Date: 12.01.2024  
EHEDG File Number: EHEDG-R2400046  
Certification Type: EL CLASS I

Applicant: Exner Process Equipment GmbH

Equipment: optical NIR backscatter sensors EXspect271 and EXplore171

Other essential identification:

**Evaluated by:**

Name: Dr. Jürgen Hofmann

Date, Signature: 28.08.2024

**Approved by:**

Name: Yu Ming Chen

Date, Signature: \_\_\_\_\_

The use of the EHEDG Certification logo is justified based on the results of the design evaluation, inspection, and testing (as applicable) of the equipment for compliance with the current EHEDG Hygienic Design Criteria (HDC):

Criteria	Certification for <b>use in Closed Processes</b>
<input type="checkbox"/>	The equipment complies with all applicable HDC in the Guidelines.
<input checked="" type="checkbox"/>	Evidence for compliance required and provided by in-place cleanability test method according to EHEDG Doc. 2.
<input type="checkbox"/>	Evidence for compliance required and provided by in-place cleanability test method according to EHEDG Doc. 2, in-place sterilisability test method according to EHEDG Doc. 5, and bacteria tightness test according to EHEDG Doc. 7 for <b>EL ASEPTIC</b> Certification.
Criteria	Certification for <b>use in Open Processes</b>
<input type="checkbox"/>	The equipment complies with all applicable HDC in the Guidelines.
<input type="checkbox"/>	Evidence for compliance required and provided by OPC cleanability test method according to EHEDG Doc. 57.

## 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 optical NIR backscatter sensors EXspect271 and EXplore171, no. 796TUM2024
7.	Drawings of the optical NIR backscatter sensors EXspect271 and EXplore171, drawing nos. PR30-196-TC15, PR30-224, PR30-225; original stamped
8.	Test report of the in-place cleanability test method according to Doc. 2, Test no. 796/10.05.2024.
9.	Cleaning and Installation manual no. 9-901-66-004 supplied by the manufacturer
10.	Example of EHEDG Certified Logo Type EL CLASS I