

CERTIFICATE OF COMPLIANCE



EL Class I

Date of issue: 3 September 2024

Valid until: 31 December 2025

EHEDG hereby declares that the product

resistance thermometer MiniTherm, series GA270.HY and series GA254.HY with interchangeable measuring insert Pt100 and thermowell type HP1200HY and inline temperature transducer type GA220.HY

from

LABOM Mess- und Regeltechnik GmbH, Im Gewerbepark 13 , 27798 Hude, 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-C2400036

Signed _____ *Hein Timmerman* _____ *President EHEDG*

Signed _____ *Karlijn Faber* _____ *EHEDG Certification Officer*

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APPENDIX 3

EHEDG Certification – Equipment Evaluation Form

Design Evaluation Date: 09.04.2024

EHEDG File Number: EHEDG-R2400025

Certification Type: EL CLASS I

Applicant: LABOM Mess- und Regeltechnik GmbH

Equipment: resistance thermometer Minitherm, series GA270.HY and series GA254.HY with interchangeable measuring insert Pt100 and thermowell type HP1200HY and inline temperature transducer type GA220.HY with specific process connections and sizes

Other essential identification: certified process connections and sizes:

GA254.HY, HP1200HY

- DIN 32676 sizes DN20 – DN100, 21.3 – 88.9 with the use of special gaskets
- ISO 2582 sizes 1 – 4" with the use of special gaskets
- ISO 2853 sizes DN20 – DN 100, 1 – 4" with the use of special gaskets
- DIN 11864-1, -2, -3 sizes DN25 – DN100, 21.3 – 88.9, 1 – 4"
- DIN 11851 DN25 - DN100, 1"- 4" with the use of special gaskets
- VARINLINE Connections size F (DN25 / 1") and size N (DN40 – DN125 / 1 1/2" – 6")

GA270.HY

- DIN 32676 sizes DN20 – DN100, 21.3 – 88.9 with the use of special gaskets
- ISO 2582 sizes 1 – 4" with the use of special gaskets
- DIN 11864-1, -2, -3 sizes DN25 – DN100, 21.3 – 88.9, 1 – 4"
- DIN 11851 DN25 - DN100, 1"- 4" with the use of special gaskets
- VARINLINE Connections size F (DN25 / 1") and size N (DN40 – DN125 / 1 1/2" – 6")

GA220.HY

- DIN11851 in sizes DN10 - DN150 with the use of special gaskets
- DIN 11864-1, -2, -3 in sizes DN10 – DN100, 13.5 – 88.9, 1/2" – 4"
- DIN 32676 in sizes DN10 – DN100, 21.3 – 60.3 with the use of special gaskets
- ISO 2852 in sizes 1" – 4" with the use of special gaskets
- ISO 2853 in sizes DN15 – DN100, 1" – 4" with the use of special gaskets



Evaluated by:

Name: Dr. Jürgen Hofmann

Date, Signature: 17.7.24 J. Hofmann

Approved by:

Name: Andy Timperley, Chairman on behalf of the SubCom Certification

Date, Signature: 19.08.2024, A. Timperley

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 use in Closed Processes
<input checked="" type="checkbox"/>	The equipment complies with all applicable HDC in the Guidelines.
<input 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 EL ASEPTIC Certification.
Criteria	Certification for use in Open Processes
<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 resistance thermometer Minitherm, series GA270.HY and series GA254.HY with interchangeable measuring insert Pt100 and thermowell type HP1200HY and inline temperature transducer type GA220.HY, no. 40524TUM2024
7.	Drawings of the resistance thermometer Minitherm, series GA270.HY and series GA254.HY with interchangeable measuring insert Pt100 and thermowell type HP1200HY and inline temperature transducer type GA220.HY, drawing nos. B4-CB-00116-z, F1-AA-02920-z, F1-AI-00434-z, F1-AI-00505-z, F1-AD-00349-z; original stamped
8.	Cleaning and Installation manual no. TA_052_10.01 supplied by the manufacturer
9.	Example of EHEDG Certified Logo Type EL CLASS I