

Certificate

PROFIBUS Nutzerorganisation e.V. grants to

Langer & Laumann Ing.-Büro GmbH
Wallgraben 30, 48356 Nordwalde, Germany

the Certificate No: **Z12310** for the PROFINET IO Device:

Model Name: TSG V4
 Revision: SW/FW: V1.1.1; HW: 40501
 Identnumber: 0x0439; 0x0400
 GSD: GSDML-V2.33-Langer_Laumann-TSG V4-PNS-20180514.xml
 DAP: DIM 30, 0x00003001

This certificate confirms that the product has successfully passed the certification tests with the following scope:

| | | |
|-------------------------------------|---------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | PNIO_Version | V2.33 |
| <input checked="" type="checkbox"/> | Conformance Class | C |
| <input checked="" type="checkbox"/> | Optional Features | Legacy, FSU, MRP |
| <input checked="" type="checkbox"/> | Netload Class | III |
| <input checked="" type="checkbox"/> | PNIO_Tester_Version | V2.34.0 |
| <input checked="" type="checkbox"/> | Tester | ifak, Magdeburg, Germany; PN 234-01 |

This certificate is granted according to the document:

“Framework for testing and certification of PROFIBUS and PROFINET products”.

For all products that are placed in circulation by **August 28, 2021** the certificate is valid for life.

Karlsruhe, August 29, 2018

Board of PROFIBUS Nutzerorganisation e. V.



(Official in Charge)



(Karsten Schneider)




(Dr. Jörg Hähnliche)