



CERTIFICATE NUMBER  
EFFECTIVE DATE  
EXPIRY DATE  
ABS TECHNICAL OFFICE

22-2250620-PDA  
10-May-2022  
09-May-2027  
Hamburg Engineering Department

## CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

**SIKA DR. SIEBERT & KUEHN GMBH & CO. KG**

located at

**STRUTHWEG 7-9, , D-34260 KAUFUNGEN, Germany**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

**Product:** Exhaust Gas Temperature Sensor

**Model:** T100, T10X, T453, W454

**Endorsements:**

**Tier:** 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 09/May/2027 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

Efstratios Maliatsos, Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

**SIKA DR. SIEBERT & KUEHN GMBH & CO. KG**

STRUTHWEG 7-9

D-34260 KAUFUNGEN

Germany

Telephone: +49-5605-803-0

Fax: +49-5605-803-54

Email: info@sika.net

Web: www.sika.net

**Tier: 2 - PDA Issued**

---

**Product:** Exhaust Gas Temperature Sensor

**Model:** T100, T10X, T453, W454

**Endorsements:**

**Intended Service:**

Temperature measurement in exhaust gas systems.

**Description:**

PT1000, 2/4-wire, resistance thermometers/ thermo couples, made of materials 1.4541, 1.4571, 1.4841, 1.4876 or 2.4816.

**Rating:**

Temperature Measuring Range: up to 600/ 800 °C,

Accuracy: Class B/ Class 1,

Insert Tubes: 80 mm to 150 mm length,

Degree of Protection: IP54.

**Service Restriction:**

Unit Certification is not required for this product.

If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

**Comments:**

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

**Notes/Drawing/Documentation:**

Drawing No. 430-2xxx , Electrical Drawings

Drawing No. 63591126, Temperature Shock Test Report, 18/07/2011

Drawing No. 63592234, Flammability Test Report, 13/07/2011

Drawing No. 13-5320-BE, IP Test Report, PaConsult GmbH, 03/11/2013

Drawing No. 09 2766, Environmental Test Report, PaConsult GmbH, 24/08/2011

Drawing No. T1001TK0952X5GGL, Vibration Test Report, 03/06/2011

Drawing No. T10X2TK080 0929M, Vibration Test Report, 24/06/2011

Drawing No. T10X2TK150 0935M, Vibration Test Report, 03/06/2011

Drawing No. T4532TK155 0878M, Vibration Test Report, 03/06/2011

Drawing No. W454P24129 0985M, Vibration Test Report, 03/06/2011

Drawing No. Sensoren fuer Marine-Zulassung 27 10 11, List of approved variants

**Terms of Validity:**

This Product Design Assessment (PDA) Certificate remains valid until 09/May/2027 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

**SIKA DR. SIEBERT & KUEHN GMBH & CO. KG**

STRUTHWEG 7-9

D-34260 KAUFUNGEN

Germany

Telephone: +49-5605-803-0

Fax: +49-5605-803-54

Email: [info@sika.net](mailto:info@sika.net)

Web: [www.sika.net](http://www.sika.net)

**Tier: 2 - PDA Issued**

---

**STANDARDS**

**ABS Rules:**

2022 Marine Vessel Rules: 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-8-3/1.7, 4-8-3/1.11, 4-8-3/1.17.1, 4-9-9/13.1

2022 Mobile Offshore Units Rules: 1-1-4/9.7, 1-1-A2, 1-1- A3, 4-3-1/11, 4-3-1/15, 4-3-1/17.1

**National:**

NA

**International:**

NA

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA