



Marine & Offshore

Certificate number: 19854/C0 BV

File number: AP3847

Product code: 3812H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

SIKA - Dr. Siebert & Kühn GmbH & Co. KG

Kaufungen - GERMANY

for the type of product

TEMPERATURE SENSORS / PROBES / TRANSDUCERS

W083

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

EC Code: 33

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 10 May 2024**For Bureau Veritas Marine & Offshore,**

At BV HAMBURG, on 10 May 2019,

Dirk Hoepfner



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Temperature sensor in swivelling execution type **W083**.

Measuring range:	-30°C to +200°C
Measuring insert:	1x Pt100, 2x Pt100
Material:	Stainless steel 1.4571
Thread connection:	G1/2A and special threads
Immersion tube:	Diameter 8 mm
Immersion tube length:	L1 = max 100 mm
Connector:	Head form J

2. DOCUMENTS AND DRAWINGS:

- 430-2469 dated 05.03.2007; Datenblatt 430-2469-060307.doc dated 19.03.07; GL-060307.doc dated 19.03.07

3. TEST REPORTS:

Paconsult GmbH:
- 06-1223 dated 20 June 2007

4. APPLICATION / LIMITATION:

- 4.1 - Bureau Veritas Rules and Regulations for the Classification of Steel Ships
- 4.2 - Approval valid for ships intended to be granted with the following additional class notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS**.
- 4.3 - Bureau Veritas Environmental Category, **EC Code: 33**

5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 - The above mentioned temperature sensor is to be supplied by **SIKA - Dr. Siebert & Kühn GmbH & Co. KG** in compliance with the type described in this certificate.
- 5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.
- 5.3 - **SIKA - Dr. Siebert & Kühn GmbH & Co. KG** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products:

SIKA - Dr. Siebert & Kühn GmbH & Co. KG
Struthweg 7-9
D-34260 Kaufungen
GERMANY
- 5.4 - Equipment is to be supplied with manual(s) for installation, use and maintenance.

6. MARKING OF PRODUCT:

- Maker's name or trademark
- Equipment type or model identification
- Date of manufacture and/or serial number

7. OTHERS:

- 7.1 - It is the responsibility of **SIKA - Dr. Siebert & Kühn GmbH & Co. KG - GERMANY** to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.
- 7.2 - This certificate supersedes the Type Approval Certificate N° 19854/B0 BV issued on 09 Dec 2013 by the Society.

*** END OF CERTIFICATE ***