



# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAA00001F2**  
Revision No:  
**2**

## This is to certify:

That the **Test and Calibration Equipment**

with type designation(s)  
**Temperature Calibrator TP17650, TP17650M and TP17650S**

Issued to  
**SIKA Dr. Siebert & Kühn GmbH & Co. KG**  
**Kaufungen, Germany**

is found to comply with  
**DNV rules for classification – Ships, offshore units, and high speed and light craft**

## Application :

**The instruments are only approved as portable test instruments.**

Issued at **Hamburg** on **2024-03-06**

This Certificate is valid until **2029-03-05**.

DNV local station: **Essen**

for **DNV**

Approval Engineer: **Dariusz Lesniewski**

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**Joannis Papanuskas**  
**Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.  
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

Revision: 2021-03

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## Product description

SIKA Temperature Calibrators comprising the following models:

Model	Calibration temperature range	Display resolution	Tolerance / Accuracy	Control stability
TP17650M	Ambient temperature to 650 °C	±1 °C	±1 °C	±0.1 °C
TP17650	Ambient temperature to 650 °C	±0.1 °C	±0.8 °C	±0.1 °C
TP17650S	Ambient temperature to 650 °C	±0.1 °C	±0.4 °C	±0.05 °C

## Application/Limitation

The instruments are only approved for use as portable test instruments.

The Type Approval is only valid for units with valid calibration certificate(s). The temperature calibrator is to be calibrated yearly as specified by the manufacturer.

## Type Approval documentation

### Tests carried out

- EMC tests according to class guideline DNV-CG-0339, August 2021 (location class 'A' for EMC).
- Vibration test according to class guideline DNV-CG-0339, August 2021 (location class 'A' for vibration).
- SIKA performance and error simulation tests.

### Marking of product

Each model is marked with manufacturer name, model name, part number, serial number and fabrication date.

### Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE

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