

Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **32 529 - 06 HH**

Company **SIKA**
Dr. Siebert & Kühn GmbH & Co. KG
Struthweg 7-9
34260 Kaufungen, GERMANY

Product Description **Temperature Calibrator**

Type **TP17650, TP17650M and TP17650S;**
TP17165, TP17165M and TP17165S

Environmental Category **A, EMC 1**

Technical Data /
Range of Application **Adjustment range of the block temperature:**
TP17650: from Ambient Temperature until 650 °C
TP17165: from -30 °C until +165 °C

Stability of the block temperature:
TP17650: +/-0.1 K
TP17650M: +/-0.5 K
TP17650S: +/-0.05 K

TP17165: +/-0.1 K
TP17165M: +/-0.5 K
TP17165S: +/-0.05 K

Test Standard **Guidelines for the Performance of Type Approvals, Chapter 2, Edition 2003**

Documents **Test reports: SiKA Vibrations Test (Nov. 2005 and July 2006), TÜV EMV Test Report No. EMV 04 11 1975 (01.12.04) with supplement no.1 (05.01.05), no. 2 (07.03.05) and no. 3 (07.02.06) and EMV 06 02 2148 (12.10.06) with supplement no. 1 (13.12.06) and no. 2 09.01.2007); Drawings, operating instructions acc. to submitted files.**

Remarks **Operating humidity: 30 ... 95 RH% without condensation.**

Valid until **2016-03-23**

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File No. **I.A.14**

Hamburg, 2011-10-17

Germanischer Lloyd

Burkhard Lilienthal

Klaus-Peter Schröder

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Accuracy of the temperature indication (Resolution):

TP17650: +/-0.1 K
TP17650M: +/-1.0 K
TP17650S: +/-0.1 K

TP17165: +/-0.1 K
TP17165M: +/-1.0 K
TP17165S: +/-0.1 K

Accuracy of the block temperature (Tolerance):

TP17650: +/-0.6 K
TP17650M: +/-0.8 K
TP17650S: +/-0.4 K

TP17165: +/-0.4 K
TP17165M: +/-0.5 K
TP17165S: +/-0.2 K

Power supply:

TP17650: 230 VAC; -15 % / +10 %, 50 / 60 Hz
115 VAC; -20 % / +10 %, 50 / 60 Hz (optional)
TP17165: 100-240 VAC; -10 % / + 10 %, 50 / 60 Hz

Power consumption:

TP17650: approx. 1000 VA
TP17165: approx. 375 VA

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Germanischer Lloyd

A handwritten signature in blue ink, appearing to read 'B. Lilienthal', is written over the printed name.

Burkhard Lilienthal

A handwritten signature in blue ink, appearing to read 'K. Schröder', is written over the printed name.

Klaus-Peter Schröder