

# TYPE APPROVAL CERTIFICATE

DNV·GL

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

Certificate No. **94 652 - 94 HH**

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

Product Description **SIKA Kombitemp**  
**Industrial thermometers**

Type **K 122, K 422, K 522, K 413, K 423**

Environmental Category **D, H**

Technical Data / **Glass-thermometers with build in electrical temperature sensor**  
Range of Application

**Ranges:** -30° C up to 650° C  
**Measuring inserts:** NiCr-Ni (K), Fe-CuNi (J), Pt 100  
**Columns (filling):** organic liquid or mercury  
**Material:** 2.0401, 2.0460, 1.0718, 1.4571  
and special materials  
**Thread connections:** G1/2, G3/4, M20x1.5, M27x2, special threads  
**Immersion tube length:** L1=30 mm up to 550 mm

**Environmental Category "H":**  
**Vibration test characteristic curve 3, acceleration = 5 g**

Test Standard **Guidelines for the Performance of Type Approvals, Chapter 2- Test**  
**Requirements for Electrical / Electronic Equipment and Systems (VI-7-2),**  
**Edition 2003**

Documents **Data Sheet DS\_KombiTemp 05/2014 for the types k 122, K 422 and K 522, Data**  
**Sheet K413/09/94d for the types K 413 and K 423 ;**  
**Test reports according to BMP-GL01 dated 13.09.94,**  
**Test report Kombitemp K422, l = 550mm dated 06.08.97**

Remarks **This certificate is issued on the basis of GL Guidelines for the Performance of**  
**Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007.**

Valid until **2019-11-19**

Page **1 of 1**

File No. **I.D.02**

**Hamburg, 2015-06-03**

Type Approval Symbol



  
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