

# TYPE APPROVAL CERTIFICATE

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.	<b>84 399 - 93 HH</b>
Company	<b>Rüeger S.A.</b> <b>Chemin de Mongevon 9</b> <b>1023 Crissier, SWITZERLAND</b>
Product Description	<b>Temperature Gauge</b>
Type	<b>TGH100, TGV100, TSH065, TSV065, TFV100</b>
Environmental Category	<b>D</b>
Technical Data / Range of Application	<b>Temperature gauge types:</b> <b>TGH100: gas filled system, horizontal indicator 100mm Ø; x-y-z</b> <b>TGV100: gas filled system, vertical indicator 100mm Ø; x-y-z</b> <b>TSH065: bimetallic system, horizontal indicator 65mm Ø; x-y-z</b> <b>TSV065: bimetallic system, vertical indicator 65mm Ø; x-y-z</b> <b>TFV100Al: gas filled system, up to 10m capillary; L</b>  x = connection: S = fixed thread, T = turnable thread, U = cap connection y = sensor diameter: 6, 8, 9 or 13mm z = sensor length: up to 300mm L = indicator with glycerine filling  Range: from - 200°C to 50°C up to 0°C to 600°C Thermo well: TPIE, TPEE or TPIA Material: 1.4571 Time constant with / without thermo well: z 0.5 = 4 / 70s, z 0.9 = 12 / 190s Degree of protection: IP 65
Test Standard	<b>Guidelines for the Performance of Type Approvals, Chapter 2- Test Requirements for Electrical / Electronic Equipment and Systems (VI-7-2), Edition 2003</b>
Documents	<b>Test report : FSZ Nr.: 252478 / 25.08.92</b> <b>Technical data: TG1, TS1, TF1</b>
Remarks	<b>This certificate is issued on the basis of GL Guidelines for the Performance of Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007.</b>

Valid until **2019-09-21**

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

**Hamburg, 2014-12-29**

Type Approval Symbol

