

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. **15 774 - 00 HH**

Company **PLÖGER Sensor GmbH**
Feßlerstraße 3
22083 Hamburg, GERMANY

Product Description **Resistance Thermometer**
Type **Protection tube: 21, 29, 165, 167, 211**
Screwed joint: 166
Others: 14, 140, 147, 179, 130, 38

Environmental Category **D, H**

Technical Data /
Range of Application **Temperature range: -50 up to 80 °C (14, 140 for cargo and other spaces)**
Temperature range: -50 up to 200 °C
Measuring sensor: Pt 100 or 2 x Pt 100
Measuring sensor: Pt 1000 or 2 x Pt 1000
Measuring tolerance: IEC 60751 class AA or class B
Max. insert length: 150 mm (29, 211)
Max. insert length: 250 mm (21, 165, 166, 167)
Max. insert length: 25 m (130, 147, 179)
Max. insert length: 80m (38)
Screw-in thread: G 1/2, G 3/4, M 18x1.5
Protection tube mat. No.: 1.4541, Teflon (147)
Degree of protection: IP 54 (21, 29, 147, 165, 166, 167)
IP 56 (14)
IP 65 (140, 211)
IP 66 (38, 130, 179)

Environmental Category "H": Vibration test with 8 g (characteristic curve 2)

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

Documents **Test report : RMS no. 03-05/2000 (06.06.2000);**
Drawing no.: S 200-2, S 210-2, H 800-1, H 420-1, H 300-1, H 400-1, H 110-1,
H 200-1, H 110-2, X 500-130, H 107-38

Remarks **Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.**

Valid until **2020-07-17**

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

Hamburg, 2015-09-21

Type Approval Symbol



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