

# 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. **15 773 - 00 HH**

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

Product Description **Diesel Exhaust Gas Thermocouple**

Type **TW, TG, TS**  
**Series: 8, 21, 21v, 26, 26v**

Environmental Category **D, H**

Technical Data /  
Range of Application **Temperature range up to: 800 °C**  
**Measuring sensor: 1 or 2 x NiCr-Ni**  
**Measuring sensor: 1 or 2 x Fe-CuNi**  
**Measuring tolerance IEC 584: cl. 2**  
**Max. insert length : 200 mm**  
**Screw-in thread: G 1/2, G 3/4**  
**Protection tube material no.: 1.4541**  
**Connection: Silicon cable**  
**Degree of protection: IP 66**  
  
**Environmetal Category "H":**  
**Vibration test characteristic curve 3:**  
**20 g for insertion length up to 150 mm**  
**15 g for insertion length up to 200 mm (150 mm, Type 26)**  
**10 g for insertion length up to 200 mm (Type 26)**

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.: H 100-1, S 200-1, S 200-4, S 230-1, S 230-3**

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**

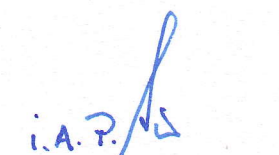
**Hamburg, 2015-09-21**

Type Approval Symbol



**DNV GL**

  
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