



# Marine Design Appraisal Document

Lloyd's Register EMEA  
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Date  
**08 June 2015**

Please quote this reference number on all future communications  
**HPC1562091/31815-15/JB/MK/SC**

**THE LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, 2014  
ISSUED TO: PLOEGER SENSOR GMBH  
FOR: THERMOCOUPLES FOR DIESEL EXHAUST GAS  
TYPE APPROVAL CERTIFICATE EXTENSION NO. 95/20018 (E4)**

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register's Type Approval System, 2014 and this Design Appraisal Document forms part of the Certificate.

## APPROVAL DOCUMENTATION

Form 2571	Application for Lloyd's Register Type Approval Certification	20.04.2015
Form PQA	Production Quality Assessment Form	05.05.2015

## TECHNICAL DATA SHEETS

H 100 – 1	Technical sheet: diesel exhaust gas thermocouple Type 8	07/12
S 200 – 1	Technical sheet: diesel exhaust gas thermocouple with protection tube Type 21	07/12
S 200 – 4	Technical sheet: diesel exhaust gas thermocouple with protection tube Type 21v	07/12
S 230 – 1	Technical sheet: diesel exhaust gas thermocouple with protection tube Type 26	07/12
S 230 – 3	Technical sheet: diesel exhaust gas thermocouple with protection tube Type 26v	07/12
S 210 – 1	Technical sheet: diesel exhaust gas thermocouple with protection tube Type 29	07/12

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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## **Supplementary Type Approval Terms and Conditions**

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.  
Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.*



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