

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Pressure Indicator

with type designation(s)
MarPeak

Issued to

MARIDIS Maritime Diagnose & Service GmbH
Rostock, Germany

is found to comply with
DNV GL rules for classification – Ships

Application :

Product approved by this certificate is accepted for installation on all vessels classed by DNV GL.

Temperature	A
Humidity	A
Vibration	B
EMC	not relevant
Enclosure	not relevant

Issued at **Hamburg** on **2017-02-07**

This Certificate is valid until **2022-02-06**.

DNV GL local station: **Rostock**

for **DNV GL**

Approval Engineer: **Christian Kaemmer**

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Olaf Drews
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Product description

Pressure Peak Indicator. Intended to measure the applied maximum gas pressure of the engine for every cylinder station. Suitable for indicating tasks on diesel engines.

TECHNICAL DATA

MODEL MarPeak, analog-display
Nominal size: 250x170x75 mm
Design: acc. to EN 837-1
Accuracy class: 1.0 per EN 837-1
Scale ranges: 0-250 bar
Operating temperature:- 0°C to 60°C (ambient), 300°C (medium)
Working pressure: full scale value (steady), 0.9 x full scale value (fluctuating), 1.3 x full scale value (short time).
Thread: W1-1/6" standard thread

Application

For exhaust gas of diesel and heavy fuel oil engines. The selection of the pressure gauge and the right installation is to be in accordance with the instructions of the manufacturer.

Type Approval documentation

Tests carried out

Visual Inspection, Vibration test, Performance test, acc. to DNVGLClass Guideline CG-0339
Overpressure test.

Marking of product

Each device shall bear legible and durable marking on the body or on a plate fixed securely to the body as follows:

- Manufacturer's Mark
- Pressure sensor range

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
 - Inspection of factory samples, selected at random from the production line (where practicable)
 - Review of production and inspection routines, including test records from product sample tests and control routines
 - Ensuring that systems, components and/or materials used comply with type approved documents and/or referenced system, component and material specifications
 - Review of possible changes in design of systems, components, materials and/or performance, and make sure that such changes do not affect the type approval given
 - Ensuring traceability between manufacturer's product type marking and the type approval certificate
- Periodical assessment is to be performed at least every second year and at renewal of this certificate.

END OF CERTIFICATE