

WHAT WE DO

We calibrate gas analyzers and pressure, temperature and humidity instruments, onboard your vessel or as laboratory calibration, following IMO NTC 2008. Each instrument gets its own certificate.

WHY IT MATTERS

The emission measurements behind a Technical File, an amendment or an annual SCR spot check rely on analyzers and instruments that are calibrated as the NOx Technical Code 2008 describes. The code gives the specifications for the analyzers and the procedures for calibrating and verifying them. Analyzers must be calibrated not more than three months before they are used for testing.

WHERE IT IS USED

- + Technical File and amendment tests
- + Annual SCR spot check
- + R&D tests and emission measurements onboard and on the test bed

GOVERNING REFERENCES

NTC 2008, Appendix 3

NTC 2008, Appendix 4

Appendix 4, section 7

Appendix 4, table 4

SERVICE CATALOGUE

Gas analyzers

NOx, CO, CO₂, O₂ and THC

Ambient instruments

Pressure (0 to 1 bar), temperature and humidity

Engine performance sensors

Temperature up to 600 C and pressure 0 to 10 bar



What the service covers

Calibration datasheet

WHAT THE SERVICE COVERS

- + NOx, CO, CO₂, O₂ and THC analyzers
- + Calibration curve with ten points from zero to full scale (the NTC requires at least six)
- + Converter efficiency test with an ozonator, tested before each calibration (at least 90 %)
- + Oxygen interference, CO interference and NOx quench checks where the analyzer type requires it
- + Ambient instruments: pressure (0 to 1 bar), temperature and humidity, the last two in three points
- + Engine performance sensors: temperature sensors and thermocouples up to 600 C, and pressure sensors and gauges up to 10 bar
- + Zero gas and span gas, with a certificate from an accredited supplier



WHAT YOU RECEIVE

- + A certificate for each instrument
- + The result of every calibration point
- + Gas, concentration, bottle number and expiry date for analyzers
- + The date of calibration and until when the certificate is valid

HOW IT WORKS

- + You send the request form or write to us
- + We confirm scope, place and date before any work starts
- + The calibration follows NTC 2008
- + If a fault is found, we troubleshoot with specialists and send a separate quote for the repair

BOOK A CALIBRATION

Send the instruments, where they are and when you need the work done.

Use the request form or the contact page on me-tech.dk. Phone +45 24 22 55 56.

QUESTIONS WE ARE ASKED

What is the difference between calibration and verification?

A calibration establishes the calibration curve, with at least six points from zero to the highest expected value. A verification, made before each analysis, checks the instrument with a zero gas and a span gas above 80 % of full scale.

Can you calibrate onboard?

Yes. We calibrate analyzers and instruments onboard the vessel, or as laboratory calibration if you send them to us.

What if an analyzer is faulty?

We troubleshoot it with specialists and send a separate quote for the repair.