

Temperature Sensors

Temperature sensors for marine applications



The marine area is a special field. Standard temperature sensors cannot be used due to extreme mechanical stress. For example, there are acceleration forces of more than 200 g, if the temperature sensor is directly installed on marine engines.

Most of all, the sensors used in marine application must sustainably absorb such forces. Which means, during manufacture to special requirements are demanded to avoid the breakdown of the measurement system. Thus the internal structure of the temperature sensor is designed as a vibration resistant component. Continuous quality controls and numerous tests directly fitted to marine engines guarantee a high life expectancy.

SIKA has long-term experiences in the area of marine sensors used under extreme conditions in marine application.

We manufacture special versions of temperature sensors to customer specific requirements also in this marine area.

Important calibration instructions

A periodic calibration of your temperature sensors is required to make sure that they display always a correct temperature value. We provide you with the relevant calibration tools.

SIKA temperature sensors...

- for exhaust gas measurement on combustion engines
- for exhaust gas temperature measurement
- for cooling water temperature measurement
- for oil and water temperature measurement
- for exhaust gas measurement, conical
- with Cable Socket, angle type DIN EN 175 301-803 form A
- Accuracy : class B, class 2
- Max. temperature: 600°C
- Type of protection: IP 54, IP 65
- Authorization: approved by German Lloyd



Temperature sensor approval certificates

- GL
- ABS
- ClassNK Nippon
- DNV
- LRS
- BV
- RINA

Temperature sensor applications

