

Recalibration set

for temperature and pressure calibrators



Recalibration Set



All your calibration equipment always available on board!

With dry block temperature calibrators of the TP Basic series and the pressure calibrators from SIKA, the vessel have necessary calibrated test equipment according to SOLAS and DNV on board. According to these regulations the test equipment for temperature and pressure must be recalibrated.

Because of this we are able to offer our SIKA recalibration set. Including a reference thermometer MH 3750 for highest accuracy requirements. With the high temperature probe TF 700, you can measure the actual accuracy of the dry block calibrator. For precision pressure measurement we offer the SIKA pressure reference type D2. We deliver the complete equipment in a robust case including all necessary certificates.

Benefits

The advantage is that the test equipment doesn't have to be returned to SIKA. It can be left on board and the crew can make the recalibration on their own. Checking the recalibration set is very easy because only the small case has to be returned once a year.

Procedures

Recalibration of temperature calibrators is done with recalibration instrument type MH 3750 and temperature sensor type TF 700. Recalibration of pressure calibrators is done with recalibration instrument type D2. Every calibrator has to be calibrated to 4 measuring points. The recalibration set measures the temperatures of the heating block or the pressure of the pressure calibrator and you have to place the measured values on record.

Technical data // Article numbers

Technical data				
	Range	Accuracy	Model	Order code
Premium recalibration set				
Set 7	0...650 °C	0.03%	Handheld instrument MH 3750 Temperature Sensor TF 700 4 point linearisation with certificate	EME8RCS-SET-007
	-1...60 bar	0.1%	Digital Pressure Gauge D2 with certificate	
Set 8	0...650 °C	0.03%	Handheld instrument MH 3750 Temperature Sensor TF 700 4 point linearisation with certificate	EME8RCS-SET-008
	0...700 bar	0.1%	Digital Pressure Gauge D2 with certificate	

Temperature reference MH 3750 // Pressure reference type D2

Temperature reference MH 3750

in combination with Temperature Sensor TF

Measuring input: Pt100
Measuring range: 0...650.0 °C
Resolution up to: 0.1 °C
Miscellaneous: Min. / max.-memory, hold function, auto-off

- Integrated alarm and data logger function
- User-specific characteristic curve of sensor
- Real-time clock with day, month and year
- Measured value memory 16384
- Accuracy < ±0.2 °C

Pressure reference type D2

High-precision digital manometer with versatile pressure measuring instrument.

- µC based with internal EEPROM
- DMS pressure cell
- Pressure- and temperature tested
- Min. / max.-memory, hold function, auto-off

Pressure ranges -1...60 bar / 0.01 bar resolution
0...700 bar / 0.1 bar resolution

Accuracy < ±0.1 %

Temperature range 0...50 °C

Degree of protection IP67

Temperature sensor TF 700

Temperature sensor TF 700

High-precision temperature sensor suitable for MH 3750, long-time temperature stable

Measuring range: 0...650.0 °C
Sensor: Stainless steel
Tube D = 4.5 mm, L = 300 mm
Cable / Handle: Silicone cable (1 m) with 4-pin Mini-DIN-plug

Certificates



SIKA certificates

SIKA will issue all necessary certificates so that you are able to fulfill the official requirements.

Your own test certificates

You will get an easy form to fill in your recalibration results