Temperature Calibrators

SOLAS ISM regulation

In 1998, the International Safety Management (ISM) code was adopted by IMO and became mandatory on certain ocean going vessels.
In 2002 the Safety Of Life At Sea (SOLAS), Chapter IX and the ISM code applies to all ships.

Our calibration equipment (temperature calibrators and pressure calibrators) will enable ship owners and marine engineers to comply with the SOLAS regulation for maintenance standards.
We advice a recalibration with a circle between 1 and 3 years dependents on loading.

The recalibration comprises:

- Documentation of the actual state with input certificate
- Calibrator adjustment (only made by SIKA DKD laboratory) with output certificate

Temperature calibrators,

Exact temperature measurement and monitoring are “musts” for operational safety of machinery and ships. Regular inspection of the temperature sensors used in these applications is absolutely essential for economic and technical safety reasons and is already prescribed as obligatory in many sectors.

The SIKA service temperature calibrators are approved for use on the sea-going ships, domestic vessels and in the offshore area.

The calibrators of series TP 17 000 M contains an electronically controlled metal block with a bore for the reception of the device under test. Adapter sleeves are used for device under test with smaller diameter. The block is mounted in a heat isulated housing .

The complete electronic is located in the front of the calibrator. The required temperature of the block is easily set on the digital controller.

The current block temperature will automatically adjusted to the set value. Block temperature and set temperature are constantly shown on the 2-line, 4-digit, 7-segment LED display.

Adapter sleeves are used for sensors under test with smaller diameter.

SIKA service calibrators for testing of:

- Thermometers / SIKA industrial thermometers
- Temperature switches / thermostats
- Resistance thermometers / thermocouples

Technical data

Device type	**TP 17 165 M**	**TP 17 650 M**
Temperature range	-35 up to +165 °C	Ambient temperature up to +650 °C
Block temperature control	Digital PID controller, automatic fine adjustment with softstart for fan	
Block temperature display	4-digit, 2-line,7-segment LED, 7 mm high, red and green	
Display resolution	1 °C	
Power supply	90...240 VAC, 50/60 Hz	230 VAC, ±10 %, 50/60 Hz (Option 115 VAC, ±10 %, 50/60 Hz)
Block hole / Block depth	28 mm / 150 mm	
Dimensions (mm) / weight (kg)	Approx. 210 x 380+70 x 270 / approx. 7,5	Approx. 150 x 330+70 x 270 / approx. 7,5

Calibrator type	**SIKA-Order-Code**	**ISSA-Code**	**IMPA-Code**
TP 17 165 M, -30 to +165 °C,	EP17165M281500	61.187.01	65 25 03
TP 17 650 M, ambient to +650 °C,	EP17650M281500	61.187.21	65 25 05

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