# **Temperature calibrator TP 17165M**

TP Basic // Dry block // -35...165 °C // -31...329 °F





#### **Highlights**

- Version of our TP 17165 temperature calibrator specially optimized for the marine market
- · Very easy operation with 4-button control and integrated reference temperature sensor
- · Low weight and stable handle for easy transport
- Optional accessory: Transport case with or without trolley
- Oualified for SIKA Gold Service

#### **TP Basic**

The temperature calibrators of the TP Basic series are characterised by their **efficiency and portability**. The series consists of dry block calibrators covering a wide temperature range and are used on site, e.g. in **marine applications**.

The easy operation, the integrated internal reference temperature sensor and the dry block calibration function ensure an **extremely easy calibration process**.

#### SIKA temperature calibrators

Temperature calibrators are used for the verification of the functionality and calibration of temperature measuring devices and temperature sensors. As the sole German manufacturer of these devices, we develop and produce our "Made in Germany" temperature calibrators with a special focus on long-term reliability and utmost accuracy in combination with easy operation. We can rely on more than 40 years of experience in doing this: SIKA's first dry block temperature calibrator was launched all the way back in 1980.

Every SIKA temperature calibrator is meticulously tested for accuracy and stability. This is attested by our standard calibration certificate, which we issue with every temperature calibrator, or by means of an optional DAkkS calibration certificate [German accreditation body]. This is to guarantee that you receive a perfect product which can be traced back to national and international temperature measurement standards.

Technical datasheet



### **Features**

#### **Easy operation**

- The TP 17165M can be operated with only four buttons:
   Two arrow buttons for setting the target temperature,
   one button for confirmation and one return button
- Thus, temperatures can be set as easily as, for example, in the air conditioning system in your car
- Any operational errors can be nearly excluded. You do not need any specifically trained staff or time-consuming briefings



#### **SIKA Gold Service**

SIKA Gold Service provides a comprehensive service package for the regular recalibration of your temperature calibrator. You will benefit from exclusive savings and discounts as well as special promotions reserved to SIKA Gold Service members.

- You will save 33% in the recalibration of your temperature calibrator
- You will receive a 10% discount on any repairs that may become necessary
- You will receive preferential invitations to product presentations, symposia, practice days and exclusive training offers





### **Technical data**

Technical datasheet

TD 17165M				
TP 17165M	05 165 00 1 1: 11 1 00 00	01 000 %		
Temperature range	-35165 °C at ambient temperature 20 °C	-31329 °F at ambient temperature 68 °F		
Dimension of the calibration insert	Ø 28 x 150 mm (calibration insert easily exchangeable)			
Dry block				
Display accuracy	±1 °C	±1.8 °F		
Temperature stability	±0.1 °C	±0.18 °F		
Resolution of the temperature display	1 °C	1°F		
Reference temperature sensor	internal, fixed installation			
Dimensions				
→ Width	210 mm			
→ Height	380 + 50 mm (Handle)			
→ Depth	300 mm			
Weight	Approx. 10 kg			
Power supply	100240 VAC, 50 / 60 Hz			
Power consumption	Approx. 375 W			
Display				
Display	2-line, 4-digit digital display red / green, unit	°C / °F		
Approvals				
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## **Article numbers**

To order a complete calibrator, you need two article numbers:

- 1. Calibrator
- 2. Calibration insert

In addition, depending on your individual calibration requirements, you can order additional calibration inserts, necessary certificates and other accessories.

1. Calibrator					
Temperature	range	Function	Calibration insert [mm]	Power supply	Article number
-35165 °C	-31329 °F	Dry block	Ø 28 x 150	100240 V	EP17160M281503

2. Calibration insert				
Bore holes [mm]	Function	Calibration insert [mm]	Material	Article number
1x Ø 3.5, 1x Ø 6.5, 1x Ø 13.5	Dry block	Ø 28 x 150	Brass	EZ15028B03MS17
1x Ø 6.5	Dry block	Ø 28 x 150	Brass	EZ15028065MS00
2x Ø 3.5	Dry block	Ø 28 x 150	Brass	EZ15028B02MS09
1x Ø 3.5, 1x Ø 4.5	Dry block	Ø 28 x 150	Brass	EZ15028F02MS80
1x Ø 3.5, 1x Ø 6.5	Dry block	Ø 28 x 150	Brass	EZ15028H02MS01
1x Ø 3.5, 1x Ø 8.5	Dry block	Ø 28 x 150	Brass	EZ15028B02MS67
1x Ø 3.5, 1x Ø 6.5, 1x Ø 8.5, 1x Ø 10.5	Dry block	Ø 28 x 150	Brass	EZ15028C04MS15
Without bore holes	Dry block	Ø 28 x 150	Brass	EZ15028000MS00
Calibration insert incl. 1 bore hole of choice	Dry block	Ø 28 x 150	Brass	Please indicate bore
Each additional bore hole	Dry block	Ø 28 x 150	Brass	holes in the order

3. Calibration certificate - Select your calibration certificates as needed  Each calibrator is already delivered with a standard calibration certificate (6 test points).	Article number
SIKA works calibration certificate (similar to standard calibration certificate + marking on the calibrator)	EKTPWP1FKT
DAkkS calibration certificate (3 test points + measurement uncertainty determination)	EKTPDAKKS1FKT
Each additional test point DAkkS calibration certificate	EKTPDAKKSZUSP
SIKA Gold Service works calibration certificate	EKTPGOLDWP
SIKA Gold Service DAkkS	EKTPGOLDDAKKS

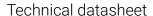
4. Accessories	Article number
Transport case without trolley	EZTPKOFFER20
Transport case with trolley	EZTPKOFFER20TG
Transport bag	XE2193

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