

TP 17 // Dry block // -55...650 °C



Technical data					
Type	TP 17200	TP 17165	TP 17166	TP 17450	TP 17650
Control sensor	internal				
Temperature range*	-55...200 °C	-35...165 °C	-35...165 °C	RT...450 °C	RT...650 °C
Dry block					
Accuracy	±0.4 °C	±0.4 °C	±0.4 °C	±0.6 °C	±0.8 °C
Stability	±0.1 °C	±0.1 °C	±0.1 °C	±0.1 °C	±0.1 °C
Measurement zone	110...150 mm				
Display unit					
Display	2-line, 4-digit display red / green, unit °C / °F				
Display range	-60...200 °C	-50...165 °C	-50...165 °C	0...450 °C	0...650 °C
Resolution	0.1 °C				

* At an ambient temperature of 20 °C / 68 °F

General data					
Type	TP 17200	TP 17165	TP 17166	TP 17450	TP 17650
Calibrator dimensions					
→ Width	210 mm			150 mm	
→ Height	380 + 50 mm			330 + 70 mm	
→ Depth	300 mm			270 mm	
Block dimensions					
→ Diameter	Ø 28 mm		Ø 60 mm	Ø 60 mm	Ø 28 mm
→ Depth	150 mm		150 mm	150 mm	150 mm
Weight	Approx. 12.5 kg	Approx. 10 kg		Approx. 7.5 kg	
Power supply					
→ Standard	100...240 VAC, 50 / 60 Hz		230...240 VAC, 50 / 60 Hz	230...240 VAC, 50 / 60 Hz	
→ Optional				100...115 VAC, 50 / 60 Hz 100...240 VAC, 50 / 60 Hz	
Power consumption	Approx. 555 W	Approx. 375 W		Approx. 2000 W	Approx. 1000 W

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Order code					Order number
1. Calibrator type					
Temperature range	Function	Block	Power supply	Type	
-55...200°C	Dry block	Ø 28 x 150 mm	100...240 V	TP 17200	EP172000281503
-35...165°C		Ø 28 x 150 mm	100...240 V	TP 17165	EP171600281503
-35...165°C		Ø 60 x 150 mm	100...240 V	TP 17166	EP171600601503
RT...450°C		Ø 60 x 150 mm	230 V	TP 17450	EP174500601500
RT...650°C		Ø 28 x 150 mm	230 V	TP 17650	EP176500281500
RT...650°C		Ø 28 x 150 mm	115 V	TP 17650	EP176500281502
RT...650°C		Ø 28 x 150 mm	110...240 V	TP 17650	EP176500281503

Order code					Order number
2. Adapter sleeve					
Bore holes	Function	Block	Material		
1x Ø 3.5, 1x Ø 6.5, 1x Ø 13.5 mm	Dry block	Ø 28 x 150 mm	Brass		EZ15028B03MS17
1x Ø 6.5 mm		Ø 28 x 150 mm	Brass		EZ15028065MS00
2x Ø 3.5 mm		Ø 28 x 150 mm	Brass		EZ15028B02MS09
1x Ø 3.5, 1x Ø 4.5 mm		Ø 28 x 150 mm	Brass		EZ15028F02MS80
1x Ø 3.5, 1x Ø 6.5 mm		Ø 28 x 150 mm	Brass		EZ15028H02MS01
1x Ø 3.5, 1x Ø 8.5 mm		Ø 28 x 150 mm	Brass		EZ15028B02MS67
1x Ø 3.5, 1x Ø 6.5, 1x Ø 8.5, 1x Ø 10.5 mm		Ø 28 x 150 mm	Brass		EZ15028C04MS15
1x Ø 3.5, 1x Ø 6.5, 1x Ø 8.5, 1x Ø 10.5 mm		Ø 60 x 150 mm	Brass*		EZ15060B04MS01
1x Ø 3.5, 1x Ø 6.5, 1x Ø 8.5, 1x Ø 10.5 mm		Ø 60 x 150 mm	Aluminium		EZ15060D04AL78
2x Ø 3.5, 2x Ø 4.5, 2x Ø 6.5, 2x Ø 8.5, 2x 10.5 mm		Ø 60 x 150 mm	Brass*		EZ15060D10MS80
2x Ø 3.5, 2x Ø 4.5, 2x Ø 6.5, 2x Ø 8.5, 2x 10.5 mm		Ø 60 x 150 mm	Aluminium		EZ15060D10AL79
3x Ø 3.5, 3x Ø 6.5, 3x Ø 8.5, 3x 10.5 mm		Ø 60 x 150 mm	Brass*		EZ15060D12MS82
3x Ø 3.5, 3x Ø 6.5, 3x Ø 8.5, 3x 10.5 mm		Ø 60 x 150 mm	Aluminium		EZ15060D12AL81
2x Ø 3.5, 1x Ø 4.5, 1x Ø 5.0, 1x 5.5, 1x Ø 6.5, 1x Ø 8.5, 1x Ø 9.0, 1x Ø 9.5, 1x Ø 10.5 mm		Ø 60 x 150 mm	Brass*		EZ15060D10MS84
2x Ø 3.5, 1x Ø 4.5, 1x Ø 5.0, 1x 5.5, 1x Ø 6.5, 1x Ø 8.5, 1x Ø 9.0, 1x Ø 9.5, 1x Ø 10.5 mm		Ø 60 x 150 mm	Aluminium		EZ15060D10AL83
Without bore holes		Ø 28 x 150 mm	Brass		EZ15028000MS00
Without bore holes		Ø 60 x 150 mm	Brass		EZ15060B00MS06
Without bore holes		Ø 60 x 150 mm	Aluminium		EZ15060B00AL00
Insert incl. one hole by choice	Dry block	Ø 28 x 150 mm	Brass		Please indicate holes in your order
Insert incl. one hole by choice		Ø 60 x 150 mm	Brass		
Insert incl. one hole by choice		Ø 60 x 150 mm	Aluminium		
Every additional hole		Ø 28 x 150 mm	Brass		
Every additional hole		Ø 60 x 150 mm	Brass		
Every additional hole		Ø 60 x 150 mm	Aluminium		

* Only TP 17450

Order code		Order number
3. Calibration certificate - Select your certificates as required*		
SIKA-Works calibration certificate		EKTPWP1FKT
DAkKS calibration certificate		EKTPDAKKS1FKT
Additional test point DAkKS calibration certificate		EKTPDAKKSZUSP

Order code			Order number
4. Accessories			
Transport case	For type		
Without trolley attachment frame	TP 17650		EZTPKOFFER002
	TP 17450		EZTPKOFFER003
	TP 17165, TP 17200		EZTPKOFFER004
	TP 17166		EZTPKOFFER005
With trolley attachment frame	TP 17650		EZTPKOFFER002TG
	TP 17450		EZTPKOFFER003TG
	TP 17165, TP 17200		EZTPKOFFER004TG
	TP 17166		EZTPKOFFER005TG
More accessories			
Transport bag	TP 17650, TP 17450		XE2193



* Each calibrator comes with a standard test certificate.

Overview of SIKA temperature calibrators

Our series: Basic. Solid. Premium.

- **Dry block calibrators** of the **TP Basic** series impress with their **uncomplicated operation** and **high cost-effectiveness**. They are particularly suitable for use on ships or in industrial applications.
- Equipped with a **PC interface**, the **dry block calibrators** and **calibration baths** of the **TP Solid** series cover a wide temperature range with high accuracy.
- For the highest demands on accuracy and flexibility: The dry-block and multi-function temperature calibrators of the **TP Premium** series represent the pinnacle of our technical development. Equipped with an **integrated touch screen**, a **PC interface**, an **external reference sensor** and **integrated measuring instrument**, this series offers **extreme accuracies** for **all calibration tasks**.

Temperature range (RT=Room temperature)	Function	Accuracy	Features	Block dimensions [Ø mm x depth mm]	Type	
-55 °C ... 200 °C -67 °F ... 392 °F	Dry block	±0.4 °C	±0.72 °F	TP Basic	28 x 150	TP 17200
	Dry block	±0.2 °C	±0.36 °F	TP Solid	28 x 150	TP 17200S
	Dry block	±0.2 °C	±0.36 °F	TP Premium	28 x 150	TP 37200E.2
-35 °C ... 155 °C -31 °F ... 311 °F	Calibration bath	±0.1 °C	±0.18 °F	TP Solid	60 x 170	TP M165S
-35 °C ... 165 °C -31 °F ... 329 °F	Dry block	±1 °C	±1.80 °F	TP Basic	28 x 150	TP 17165M
	Dry block	±0.4 °C	±0.72 °F	TP Basic	28 x 150	TP 17165
	Dry block	±0.2 °C	±0.36 °F	TP Solid	28 x 150	TP 17165S
	Dry block	±0.2 °C	±0.36 °F	TP Premium	28 x 150	TP 37165E.2
	Dry block ext. Dry block int.	±0.2 °C ±0.3 °C	±0.36 °F ±0.54 °F	TP Premium	60 x 170	TP 3M165E.2
	Air Shield Insert	±0.099 °C	±0.1782 °F			
Calibration bath Infrared Surface	±0.1 °C ±0.5 °C ±1 °C	±0.18 °F ±0.9 °F ±1.88 °F				
-30 °C ... 165 °C -22 °F ... 329 °F	Dry block	±0.4 °C	±0.72 °F	TP Basic	60 x 150	TP 17166
	Dry block	±0.2 °C	±0.36 °F	TP Solid	60 x 150	TP 17166S
-10 °C ... 100 °C 14 °F ... 212 °F	Dry block	±0.05 °C	±0.09 °F	TP Solid	7 x 6.5 x 150	TP 17Zero
RT ... 200 °C RT ... 392 °F	Dry block	±1 °C	±1.80 °F	TP Basic	18 x 150	TP 18200E
RT ... 255 °C RT ... 491 °F	Calibration bath	±0.2 °C	±0.36 °F	TP Solid	60 x 170	TP M255S
	Dry block ext. Dry block int.	±0.25 °C ±0.5 °C	±0.45 °F ±0.9 °F	TP Premium	60 x 170	TP 3M255E.2
	Air Shield Insert	±0.08 °C	±0.144 °F			
	Calibration bath, tub insert, ext.	±0.35 °C	±0.63 °F			
	Calibration bath, tub insert, int.	±0.53 °C	±0.954 °F			
	Calibration bath, direct filling, ext.	±0.18 °C	±0.324 °F			
	Calibration bath, direct filling, int.	±0.46 °C	±0.828 °F			
	Infrared Surface	±0.5 °C ±1 °C	±0.9 °F ±1.8 °F			
RT ... 450 °C RT ... 842 °F	Dry block	±0.6 °C	±1.08 °F	TP Basic	60 x 150	TP 17450
	Dry block	±0.3 °C	±0.54 °F	TP Solid	60 x 150	TP 17450S
	Dry block Air Shield Insert	±0.3 °C ±0.2 °C	±0.54 °F ±0.36 °F	TP Premium	60 x 150	TP 37450E.2
	Infrared Surface	±0.5 °C ±1 °C	±0.9 °F ±1.8 °F			
RT ... 650 °C RT ... 1202 °F	Dry block	±1 °C	±1.8 °F	TP Basic	28 x 150	TP 17650M
	Dry block	±0.8 °C	±1.44 °F	TP Basic	28 x 150	TP 17650
	Dry block	±0.4 °C	±0.72 °F	TP Solid	28 x 150	TP 17650S
RT ... 700 °C RT ... 1292 °F	Dry block Air Shield Insert	±0.43 °C ±0.27 °C	±0.744 °F ±0.486 °F	TP Premium	29 x 150	TP 37700E.2
RT ... 850 °C RT ... 1562 °F	Dry block	±1 °C	±1.8 °F	TP Basic	18 x 100	TP 18850E
400 °C ... 1300 °C 752 °F ... 2372 °F	Dry block	±2 °C	±3.6 °F	TP Solid	28 x 200	TP 281300E

Subject to technical modifications and errors