

TP Basic series

TP 17 200

Technical data		
Type	TP 17 200	
Control sensor	Internal	
Dry block		
Temperature range*	-55...200 °C	-67...392 °F
Accuracy	±0.4 °C	±0.72 °F
Stability	±0.1 °C	±0.18 °F
Measurement zone	110...150 mm	4.3...5.91 in
Block dimensions		
→ Diameter	Ø 28 mm	Ø 1.10 in
→ Depth	150 mm	5.91 in
Display unit		
Display	2-line, 4-digit display Red / green, unit °C / °F	
Display range	-60...200 °C	-76...392 °F
Resolution	0.1 °C	0.1 °F
General data		
Dimensions		
→ Width	210 mm	8.27 in
→ Height	380 + 50 mm	14.96 + 1.97 in
→ Depth	300 mm	11.81 in
Weight	Approx. 12.5 kg	Approx. 27.56 lbs
Power supply	100...240 VAC, 50 / 60 Hz	
Power consumption	Approx. 555 W	

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

Type TP 17 200



Scope of delivery

- Test certificate
- Mains cable
- Insert exchange tool
- Operating manual

Accessories

- Transport case
- Adapter sleeve
- DAkkS certificate
- Works certificate



The TP 17 200 temperature calibrator, which is also known as TP COOL, works in a temperature range from -55 to 200 °C.

TP 17 165 M

Technical data		
Type	TP 17 165 M	
Control sensor	Internal	
Dry block		
Temperature range*	-35...165 °C	-31...329 °F
Accuracy	±1 °C	±1.8 °F
Stability	±0.1 °C	±0.18 °F
Measurement zone	110...150 mm	4.3...5.91 in
Block dimensions		
→ Diameter	Ø 28 mm	Ø 1.10 in
→ Depth	150 mm	5.91 in
Display unit		
Display	2-line, 4-digit display Red / green, unit °C / °F	
Display range	-50...165 °C	-58...329 °F
Resolution	1 °C	1 °F
General data		
Dimensions		
→ Width	210 mm	8.27 in
→ Height	380 + 50 mm	14.96 + 1.97 in
→ Depth	300 mm	11.81 in
Weight	Approx. 10 kg	Approx. 22.05 lbs
Power supply	100...240 VAC, 50 / 60 Hz	
Power consumption	Approx. 375 W	

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

Type TP 17 165 M



Scope of delivery

- Test certificate
- Mains cable
- Insert exchange tool
- Operating manual

Accessories

- Transport case
- Adapter sleeve
- DAkkS certificate
- Works certificate

TP 17 165



Technical data		
Type	TP 17 165	
Control sensor	Internal	
Dry block		
Temperature range*	-35...165 °C	-31...329 °F
Accuracy	±0.4 °C	±0.72 °F
Stability	±0.1 °C	±0.18 °F
Measurement zone	110...150 mm	4.3...5.91 in
Block dimensions		
→ Diameter	Ø 28 mm	Ø 1.10 in
→ Depth	150 mm	5.91 in
Display unit		
Display	2-line, 4-digit display Red / green, unit °C / °F	
Display range	-50...165 °C	-58...329 °F
Resolution	0,1 °C	0.1 °F
General data		
Dimensions		
→ Width	210 mm	8.27 in
→ Height	380 + 50 mm	14.96 + 1.97 in
→ Depth	300 mm	11.81 in
Weight	Approx. 10 kg	Approx. 22.05 lbs
Power supply	100...240 VAC, 50 / 60 Hz	
Power consumption	Approx. 375 W	

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

Scope of delivery

- Test certificate
- Mains cable
- Insert exchange tool
- Operating manual

Accessories

- Transport case
- Adapter sleeve
- DAkkS certificate
- Works certificate

TP 17 166

Type TP 17 166



Technical data

Type	TP 17 166	
Control sensor	Internal	
Dry block		
Temperature range*	-35...165 °C	-31...329 °F
Accuracy	±0.4 °C	±0.72 °F
Stability	±0.1 °C	±0.18 °F
Measurement zone	110...150 mm	4.3...5.91 in
Block dimensions		
→ Diameter	Ø 60 mm	Ø 2.36 in
→ Depth	150 mm	5.91 in
Display unit		
Display	2-line, 4-digit display Red / green, unit °C / °F	
Display range	-50...165 °C	-58...329 °F
Resolution	0.1 °C	0.1 °F
General data		
Dimensions		
→ Width	210 mm	8.27 in
→ Height	380 + 50 mm	14.96 + 1.97 in
→ Depth	300 mm	11.81 in
Weight	Approx. 10 kg	Approx. 22.05 lbs
Power supply	100...240 VAC, 50 / 60 Hz	
Power consumption	Approx. 375 W	

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

Scope of delivery

- Test certificate
- Mains cable
- Insert exchange tool
- Operating manual

Accessories

- Transport case
- Adapter sleeve
- DAkkS certificate
- Works certificate



The TP 17 166 temperature calibrator model has a very large calibration volume.

TP 18 200 E

Technical data		
Type	TP 18 200 E	
Control sensor	Internal	
Dry block		
Temperature range*	RT...200 °C	RT...392 °F
Accuracy	±1 °C	±1.8 °F
Stability	±0.1 °C	±0.18 °F
Measurement zone	60...100 mm	2.36...3.94 in
Block dimensions		
→ Diameter	Ø 18 mm	Ø 0.71 in
→ Depth	100 mm	3.94 in
Display unit		
Display	2-line, 4-digit display Red / green, unit °C / °F	
Display range	0...200 °C	32...392 °F
Resolution	1 °C	1 °F
General data		
Dimensions		
→ Width	220 mm	8.66 in
→ Height	96 mm	3.78 in
→ Depth	230 + 50 mm	12.99 + 2.76 in
Weight	Approx. 4 kg	8.82 lbs
Power supply	230 / 240 VAC, 50 / 60 Hz, optional 100...115 VAC, 50 / 60 Hz	
Power consumption	Approx. 200 W	

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

Type TP 18 200 E



Scope of delivery

- Test certificate
- Mains cable
- Insert exchange tool
- Operating manual

Accessories

- Transport case
- Adapter sleeve
- DAkkS certificate
- Works certificate

TP 17 450

Technical data		
Type	TP 17 450	
Control sensor	Internal	
Dry block		
Temperature range*	RT...450 °C	RT...842 °F
Accuracy	±0.6 °C	±1.08 °F
Stability	±0.1 °C	±0.18 °F
Measurement zone	110...150 mm	4.3...5.91 in
Block dimensions		
→ Diameter	Ø 60 mm	Ø 2.36 in
→ Depth	150 mm	5.91 in
Display unit		
Display	2-line, 4-digit display Red / green, unit °C / °F	
Display range	0...450 °C	32...842 °F
Resolution	0.1 °C	0.1°F
General data		
Dimensions		
→ Width	150 mm	5.91 in
→ Height	330 + 70 mm	12.99 + 2.76 in
→ Depth	270 mm	10.63 in
Weight	Approx. 7.5 kg	Approx. 16.53 lbs
Power supply	230 / 240 VAC, 50 / 60 Hz	
Power consumption	Approx. 2000 W	

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

Type TP 17 450



Scope of delivery

- Test certificate
- Mains cable
- Insert exchange tool
- Operating manual

Accessories

- Transport case
- Service transport bag
- Adapter sleeve
- DAkkS certificate
- Works certificate



The TP 17 450 temperature calibrator model has a very large calibration volume.

TP 17 650 M



Technical data		
Type	TP 17 650 M	
Control sensor	Internal	
Dry block		
Temperature range*	RT...650 °C	RT...1202 °F
Accuracy	±1 °C	±1.8 °F
Stability	±0.1 °C	±0.2 °F
Measurement zone	110...150 mm	4.3...5.91 in
Block dimensions		
→ Diameter	Ø 28 mm	Ø 1.10 in
→ Depth	150 mm	5.91 in
Display unit		
Display	2-line, 4-digit display Red / green, unit °C / °F	
Display range	0...650 °C	32...1202 °F
Resolution	1 °C	1 °F
General data		
Dimensions		
→ Width	150 mm	5.91 in
→ Height	330 + 70 mm	12.99 + 2.76 in
→ Depth	270 mm	10.63 in
Weight	Approx. 7.5 kg	Approx. 16.53 lbs
Power supply	230 / 240 VAC, 50 / 60 Hz, optional 100...115 VAC, 50 / 60 Hz optional 100...240 VAC, 50 / 60 Hz	
Power consumption	Approx. 1000 W	

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

Scope of delivery

- Test certificate
- Mains cable
- Insert exchange tool
- Operating manual

Accessories

- Transport case
- Service transport bag
- Adapter sleeve
- DAkkS certificate
- Works certificate

TP 17 650

Type TP 17 650



Scope of delivery

- Test certificate
- Mains cable
- Insert exchange tool
- Operating manual

Accessories

- Transport case
- Service transport bag
- Adapter sleeve
- DAkkS certificate
- Works certificate

Technical data

Type	TP 17 650	
Control sensor	Internal	
Dry block		
Temperature range*	RT...650 °C	RT...1202 °F
Accuracy	±0.8 °C	±1.44 °F
Stability	±0.1 °C	±0.18 °F
Measurement zone	110...150 mm	4.3...5.91 in
Block dimensions		
→ Diameter	Ø 28 mm	Ø 1.10 in
→ Depth	150 mm	5.91 in
Display unit		
Display	2-line, 4-digit display Red / green, unit °C / °F	
Display range	0...650 °C	32...1202 °F
Resolution	0.1 °C	0.1 °C between RT...999.9 °F, else 1 °F
General data		
Dimensions		
→ Width	150 mm	5.91 in
→ Height	330 + 70 mm	12.99 + 2.76 in
→ Depth	270 mm	10.63 in
Weight	Approx. 7.5 kg	Approx. 16.53 lbs
Power supply	230 / 240 VAC, 50 / 60 Hz, optional 100...115 VAC, 50 / 60 Hz optional 100...240 VAC, 50 / 60 Hz	
Power consumption	Approx. 1000 W	

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

TP 18 850 E

Technical data		
Type	TP 18 850 E	
Control sensor	Internal	
Dry block		
Temperature range*	RT...850 °C	RT...1562 °F
Accuracy	±1 °C	±1.8 °C
Stability	±0.1 °C	±0.18 °C
Measurement zone	60...100 mm or 160...200 mm	2.36...3.94 in or 6.3...7.87 in
Block dimensions		
→ Diameter	Ø 18 or 28 mm	Ø 0.71 or 1.1 in
→ Depth	100 or 200 mm	3.94 or 7.87 in
Display unit		
Display	2-line, 4-digit display Red / green, unit °C / °F	
Display range	0...850 °C	32...1562 °F
Resolution	1 °C	1 °F
General data		
Dimensions		
→ Width	430 mm	16,93 in
→ Height	190 mm	7.48 in
→ Depth	410 + 50 mm or 510 + 50 mm	16,14 + 1.97 in or 20.08 + 1.97 in
Weight	Approx. 14 kg or 16 kg	Approx. 30.86 lbs or 35.27 lbs
Power supply	230 / 240 VAC, 50 / 60 Hz	
Power consumption	Approx. 2000 W	

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

Type TP 18 850 E



Scope of delivery

- Test certificate
- Mains cable
- Insert exchange tool
- Operating manual

Accessories

- Transport case
- Adapter sleeve
- DAkkS certificate
- Works certificate