

TP 17 // Dry block // -55...650 °C



Technical data					
Type	TP 17200S	TP 17165S	TP 17166S	TP 17450S	TP 17650S
Control sensor	internal				
Temperature range*	-55...200 °C	-35...165 °C	-35...165 °C	RT...450 °C	RT...650 °C
Dry block					
Accuracy	±0.2 °C	±0.2 °C	±0.2 °C	±0.3 °C	±0.4 °C
Stability	±0.05 °C	±0.05 °C	±0.05 °C	±0.05 °C	±0.05 °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	0.01 °C between -9.99...99.99 °C, else 0.1 °C			0.01 °C between RT...99.99 °C, else 0.1 °C	

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

General data					
Type	TP 17200S	TP 17165S	TP 17166S	TP 17450S	TP 17650S
Interface	RS485, RS232 or USB (optional)				
Calibrator dimensions					
→ Width	210 mm	210 mm	210 mm	150 mm	
→ Height	380 + 50 mm	380 + 50 mm	380 + 50 mm	330 + 70 mm	
→ Depth	300 mm	300 mm	300 mm	270 mm	
Block dimensions					
→ Diameter	Ø 28 mm	Ø 28 mm	Ø 60 mm	Ø 60 mm	Ø 28 mm
→ Depth	150 mm	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 115...230 VAC, 50 / 60 Hz
Power consumption	Approx. 555 W	Approx. 375 W		Approx. 2000 W	Approx. 1000 W

Order code					
Type	TP 17200S	TP 17165S	TP 17166S	TP 17450S	TP 17650S
	EP17200S281503	EP17160S281503	EP17160S601503	EP17450S601500	EP17650S281500

Options	Order code
Type	TP 17650S
Power supply	
→ 100...115 V	EP17650S281502
→ 100...240 V	EP17650S281503

TP 17 and TP 28 // Special versions // -10...1300 °C



TP 17ZERO



TP 281300E

Technical data

Type	TP 17ZERO	TP 281300E
Control sensor	internal	
Temperature range*	-10...100 °C	400...1300 °C
Dry block		
Accuracy	±0.05 °C at 0 °C	±2 °C
Stability	±0.05 °C at 0 °C	±0.5 °C
Measurement zone	110...150 mm	bei 200 mm
Display unit		
Display	1-line, 4-digit display red, unit °C [°F optional]	2-line, 4-digit display red / green, unit °C / °F
Display range	-10...100 °C	0...1300 °C
Resolution	0.1 °C	1 °C

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

General data		
Type	TP 17ZERO	TP 281300E
Interface		RS485, RS232 or USB (optional)
Calibrator dimensions → Width → Height → Depth	150 mm 330 + 70 mm 270 mm	510 mm 290 mm 415 + 100 mm
Block dimensions → Diameter → Depth	7 drillings with Ø 6,5 mm 150 mm	Ø 28 mm 200 mm
Weight	Approx. 7 kg	Approx. 17,5 kg
Power supply	100...240 VAC, 50 / 60 Hz	230...240 VAC, 50 / 60 Hz,
Power consumption	Approx. 225 W	Approx. 1000 W

Order code		
Type	TP 17ZERO	TP 281300E
	EP171000B71503	EP28138E000003

TP M // Micro calibration bath // -35...255 °C



TP M165S



TP M255S

Technical data

Type	TP M165S	TP M255S
Control sensor	internal	
Temperature range*	-35...165 °C	RT...255 °C
Micro calibration bath		
Accuracy	±0.1 °C	±0.2 °C
Stability	±0.05 °C	±0.05 °C
Measurement zone	110...150 mm	
Display unit		
Display	2-line, 4-digit display red / green, unit °C / °F	
Display range	-50...165 °C	0...255 °C
Resolution	0.01 °C between -9.99...99.99 °C, else 0.1 °C	

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

General data		
Type	TP M165S	TP M255S
Interface	RS485, RS232 or USB (optional)	
Calibrator dimensions		
→ Width	210 mm	150 mm
→ Height	380 + 50 mm	330 + 70 mm
→ Depth	300 mm	270 mm
Block dimensions		
→ Diameter	Ø 60 mm	
→ Depth	170 mm	
Weight	Approx. 12.5 kg	Approx. 7.5 kg
Power supply		
→ Standard	100...240 VAC, 50 / 60 Hz	230...240 VAC, 50 / 60 Hz, 100...115 VAC, 50 / 60 Hz
→ Optional		100...240 VAC, 50 / 60 Hz
Power consumption	Approx. 375 W	Approx. 1000 W

Order code		
Type	TP M165S	TP M255S
	EPMB160S601503	EPMB250S601500

Equipment for requested type with separate order code

Equipment	Example → EPLIK	LI	I	01	0
Linearisation					
With linearisation	EPLIK				
Function					
Micro calibration bath		LI			
Tub insert		TI			
Reference sensor					
Internal			I		
Adjustment to medium					
Water (2...95 °C)				01	
Silicone oil 10 cSt (-35...155 °C)				10	
Silicone oil 20 cSt (7...220 °C)				20	
Silicone oil 50 cSt (50...270 °C)				50	
Test points					
Standard					0
Customised					K

Options	Order code
Type	TP M255S
Power supply	
→ 100...115 V	EPMB250S601502
→ 100...240 V	EPMB250S601503



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