


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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