

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



TP M165S



TP M255S

### Technical data

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

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

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

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

To order a complete calibrator, you need three order numbers:

1. Calibrator type	EPMB	xx	x	x	xxxxxx
2. Linearisation	EPLIK	xx	x	xx	x
3. Insert	EZxxxxxxxxxxxx				

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

Order code					
1. Calibrator type					Order number
Temperature range	Function	Block	Power supply	Type	
-35...165°C	Bath	Ø 60 x 170 mm	100...240 V	TP M165S	EPMB160S601503
RT...255°C			230 V	TP M255S	EPMB250S601500
RT...255°C			115 V	TP M255S	EPMB250S601502
RT...255°C			110...240 V	TP M255S	EPMB250S601503
<b>Example order number calibrator</b>					<b>EPMB250S601503</b>

Order code			
2. Linearisation			
With linearisation	EPLIK		
Function			
Micro calibration bath (direct)	LII		
Micro calibration bath (with tub insert)	TII		
Medium			
Wasser (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
<b>Example order number linearisation</b>			<b>EPLIK LII 00 0</b>

Order code				
3. Übergangshülse / Kalibriereinsatz				Order number
Bore holes	Function	Block	Material	
Bechereinsatz	Bath	Ø 60 x 170 mm		EZTPMBEK000000
<b>Example order number insert</b>				<b>EZTPMBEK000000</b>

Order code		Order number
<b>4. Calibration certificate - Select your certificates as required*</b>		
SIKA-Works calibration certificate for 1. function		EKTPWP1FKT
SIKA-Works calibration certificate for 2. function		EKTPWP2FKT
DAkkS calibration certificate for 1. function		EKTPDAKKS1FKT
DAkkS calibration certificate for 2. function		EKTPDAKKS2FKT
Additional test point DAkkS calibration certificate		EKTPDAKKSZUSP

Order code			Order number
<b>5. Accessories</b>			
<b>Transport case</b>	<b>For type</b>		
Without trolley attachment frame	TP M165S		EZTPKOFFER005
	TP M255S		EZTPKOFFER003
With trolley attachment frame	TP M165S		EZTPKOFFER005TG
	TP M255S		EZTPKOFFER003TG
<b>More accessories</b>			
Tripod	All TP M		EZTPMSG0000000
Calibration liquid (Silicone oil), 50cSt	All TP M		EZSÖ0500000000
Calibration liquid (Silicone oil), 20cSt	All TP M		EZSÖ0200000000
Calibration liquid (Silicone oil), 10cSt	All TP M		EZSÖ0100000000
Calibration liquid (Silicone oil), 5cSt	All TP M		EZSÖ0050000000
PC software (without TT-Scan)	All TP M		EZ999999999971
PC software (with TT-Scan)	All TP M		EZ380000000001
Converter RS485 to USB	All TP M		EZ170000000002
Converter RS232 to USB	All TP M		EZ380000000002

\* Each calibrator comes with a standard test certificate.