



# Technical data

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or comprehensive  
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## TP 3M // Multifunction // -35...255 °C



TP 3M165E.2

BEST  
SELLER



TP 3M165E.2 Stainless steel case

BEST  
SELLER

Type	Highlights	Order code
TP 3M165E.2	Patented control technology - time saving up to 50% High calibration volume Fastest stabilisation times on the market Patented touchscreen function Management of device under test with barcode scanner (Accessories) Optional with stainless steel case (for pharmaceutical and food industry)	EP3M1626015U3  XE2102 EP3M1626015U3SS

### Technical data

<b>Type</b>	TP 3M165E.2	TP 3M255E
<b>Control sensor</b>	(internal / external)	
<b>Hysteresis</b>	±0.25 °C / ±0.025 °C (internal / external)	
<b>Temperature range*</b>	-35...165 °C -25...150 °C (at surface calibration)	RT...255 °C RT...200 °C (at surface calibration)
<b>Micro calibration bath</b>		
<b>Accuracy</b>	±0.1 °C	±0.2 °C
<b>Stability</b>	±0.010 °C / ±0.005 °C (internal / external)	±0.05 °C (internal)
<b>Measurement zone</b>	110...150 mm	
<b>Dry block</b>		
<b>Accuracy</b>	±0.3 °C	±0.3 °C
<b>Stability</b>	±0.010 °C / ±0.005 °C (internal / external)	±0.05 °C (internal)
<b>Measurement zone</b>	123...163 mm	
<b>Infrared</b>		
<b>Accuracy</b>	±0.5 °C	±0.5 °C
<b>Stability</b>	±0.020 °C / ±0.020 °C (internal / external)	±0.05 °C (internal)
<b>Measurement zone</b>	110 mm	
<b>Surface</b>		
<b>Accuracy</b>	±1 °C	±1 °C
<b>Stability</b>	±0.150 °C (external)	±0.2 °C (external)
<b>Measurement zone</b>	Surface	

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

Transition times*		TP 3M165E.2	TP 3M255E
<b>Cooling time</b>	→ RT...-30 °C**	40 min (Dry block) 65 min (Micro calibration bath)	105 min (Dry block) 78 min (Micro calibration bath)
	→ Tmax...RT	24 min (Dry block) 25 min (Micro calibration bath)	
<b>Heating time</b>	→ RT...Tmax	32 min (Dry block) 50 min (Micro calibration bath)	23 min (Dry block) 105 min (Micro calibration bath)
	→ -35 °C...165 °C	37 min (Dry block) 56 min (Micro calibration bath)	
<b>Stabilisation time</b>			
<b>With ext. reference</b>	→ to ±0.05 °C	From 5 min	
	→ to ±0.005 °C	From 10 min	
<b>General data</b>			
<b>Type</b>		TP 3M165E.2	TP 3M255E
<b>Interface</b>		Ethernet, 3 x USB	
<b>Calibrator dimensions</b>	→ Width, 210 mm	→ Height, 380 + 50 mm	→ Depth, 300 mm
<b>Block dimensions</b>	→ Diameter	Ø 60 mm	
	→ Depth	170 mm	
<b>Weight</b>		Approx. 13 kg	Approx. 8,5 kg
<b>Power supply</b>		100...240 VAC, 50 / 60 Hz	
<b>Power consumption</b>		Approx. 375 W	Approx. 1000 W
<b>Display unit</b>			
<b>Display</b>		Brilliant Color-Touchscreen (7"), multi panel safety glass, viewing angle 120...140° Brightness 400 cd / m², Unit °C / °F / K	
<b>Display range</b>		-50...165 °C	0...255 °C
<b>Resolution</b>		0.1/0.01/0.001 °C / °F / K	

## TP 3M // Multifunction // -35...255 °C

Order code			
<b>Type</b>		TP 3M165E.2	TP 3M255E
<b>Internal measuring instrument</b>	→ Without	EP3M16026015U3	EP3M250E6015U3
	→ With	EP3M16M26015U3	

Equipment for requested type with separate order code

Equipment	Example → EPLIK	DB	I	00	0
<b>Linearisation</b>					
With Linearisation	EPLIK				
<b>Function</b>					
Dry block		DB			
Micro calibration bath		LI			
Tub insert		TI			
Infrared		IR			
Surface***		SU			
<b>Reference sensor</b>					
Internal			I		
External			E		
<b>Adjustment to medium</b>					
No medium****				00	
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	
Customised medium				99	
<b>Test points</b>					
Standard					0
Customised					K

\* Further information on transition times on request, all data refer to tests with new devices  
 \*\* Cooling time to Tmin (-35 °C) differs

\*\*\* Only with ext. reference sensor  
 \*\*\*\* No medium = Dry block, infrared, surface





## TP 37 // Dry block // -55...200 °C



Type	Highlights
TP 37200E.2	<ul style="list-style-type: none"> <li>• Patented control technology - time saving up to 50%</li> <li>• Worldwide fastest dry block temperature calibrator</li> <li>• Hybrid technology (Peltier elements and heating cartridges) for fastest cooling and heating times</li> <li>• -55...200 °C - Widest temperature range with cooling and heating function on the market</li> <li>• Fastest stabilization times on the market</li> <li>• Patented touchscreen function</li> <li>• Measuring instrument with two channels and best accuracy on the market</li> <li>• DUT management with barcode scanner (accessories)</li> </ul>

Technical data				
Type	TP 37200E.2		TP 37165E.2	
Temperature range*	-55...200 °C		-35...165 °C	
Calibration volume	Ø 28 x 150 mm			
Dry block	Ext. Reference sensor	Int. Reference sensor	Ext. Reference sensor	Int. Reference sensor
Accuracy	±0.2 °C			±0.2 °C
Temperature stability	±0.005 °C	±0.010 °C	±0.005 °C	±0.010 °C
Measurement zone	Bottom 40 mm of the sleeve			

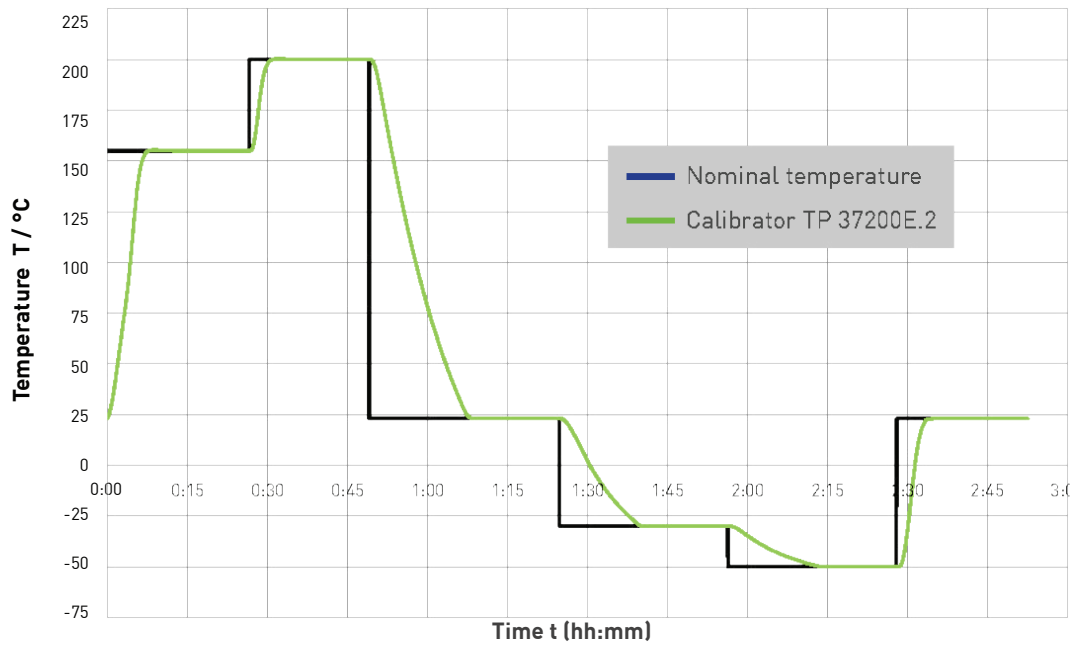
\* At an ambient temperature of 20 °C / 68 °F

General data		
<b>Type</b>	TP 37200E.2	TP 37165E.2
<b>Stabilization time</b> (with external reference sensor) → to $\pm 0,05^{\circ}\text{C}$ → to $\pm 0,005^{\circ}\text{C}$	From 1 min From 5 min	From 1 min From 5 min
<b>Heating time</b> → RT...Tmax → -Tmin...Tmax	9 min 12 min	14 min 16 min
<b>Cooling time</b> → RT...Tmin** → Tmax...RT	35 min (-50 °C) 18 min	13 min (-30 °C) 11 min
<b>Resolution</b>	0.1 / 0.01 / 0.001 °C	
<b>Hysteresis</b> → int. Ref. → ext. Ref.	$\pm 0.25^{\circ}\text{C}$ $\pm 0.025^{\circ}\text{C}$	
<b>Temperature units</b>	°C / °F / K (selectable)	
<b>Control sensor</b>	internal / external (selectable)	
<b>Interface</b>	Ethernet, 3 x USB	
<b>Dimensions</b> → Width → Height → Depth	210 mm 380 + 50 mm 300 mm	
<b>Weight</b>	Approx. 15 kg	Approx. 13.5 kg
<b>Power supply</b>	100...240 VAC, 50 / 60 Hz	
<b>Power consumption</b>	Approx. 555 W	Approx. 375 W
<b>Adjustable temperature range</b>	-60...200 °C	-50...165 °C
<b>Display</b>	Brilliant color touchscreen (7 inches), multi panel safety glass	
<b>Approvals</b>		
   		

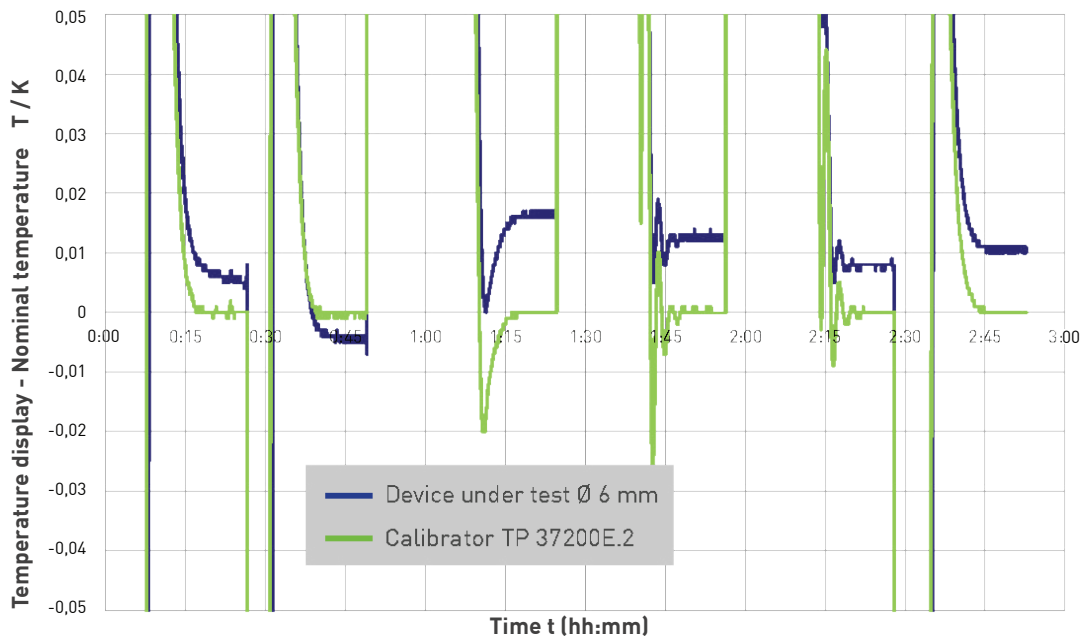
\*\* Cooling time to Tmin [-55 °C / -35 °C] differs

## TP 37 // Dry block // -55...200 °C

### Temperature steps TP 37200E.2 with external reference



### Temperaturstufen TP37200E.2 mit externer Referenz





## TP 37// Integrated measuring instrument

Technical data	
Optional for temperature calibrators	TP 37200E.2 / TP 37165E*2
Device under test input - Resistance thermometers	
Number of channels	2
Connection	4x 4 mm safety socket per channel
Connection type	2-, 3-, 4-wire technology
Resistance range	
J Pt100	í Ü
J Pt1000	í Ü
Accuracy	
J Pt100	±0.03 °C
J Pt1000	±0.06 °C
Device under test input - Thermocouple	
Number of channels	2
Connection	2x thermocouple socket (Mini)
Measuring range	-10...100 mV
Accuracy cold junction	±0.3 °C
Accuracy	
J Type K	±0.08 °C
J Type J	±0.07 °C
J Type N	±0.13 °C
J Type E	±0.06 °C
J Type T	±0.09 °C
J Type R	±0.78 °C
J Type S	±0.73 °C
Standard signal input (Current)	
Number of channels	1
Connection	4 mm safety socket
Measuring range	0...24 mA
Accuracy	0.01 % full scale
Standard signal input (Voltage)	
Number of channels	1
Connection	4 mm safety socket
Measuring range	0...12 VDC
Accuracy	0.01 % full scale
Switch test	
Number of channels	2
Transmitter supply	
Output current	Max. 24 mA
Output voltage	24 VDC

\* See order code



## TP 37 // Dry block

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

1. Calibrator type	EP37 xx x x xxxxxx
2. Linearisation	EPLIK xx x x
3. Adapter sleeve	EZxxxxxxxxxxx

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

Order code				
1. Calibrator type				
Temperature range	Function	Block [mm]	Power supply	Type
-55...200°C	Dry block	Ø 28 x 150	110...240 V	TP 37200E.2
-35...165°C	Dry block	Ø 28 x 150	110...240 V	TP 37165E.2
Integrated measuring instrument				
Without				0
With				I
<b>Example order number calibrator</b>				<b>EP37 20 I 2 2815U3</b>

Order code				
2. Linearisation				
With linearisation				EPLIK DB
Reference sensor				
Internal				I00
External				E00
Test points				
Standard				0
Customised				K
<b>Example order number linearisation</b>				<b>EPLIK DB I 0</b>

Order code				
3. Adapter sleeve				
Bore holes [mm]	Function	Block [mm]	Material	Order number
1x Ø 3.5, 1x Ø 6.5, 1x Ø 13.5	Dry block	Ø 28 x 150	Brass	EZ15028B03MS17
1x Ø 6.5				EZ15028065MS00
2x Ø 3.5				EZ15028B02MS09
1x Ø 3.5, 1x Ø 4.5				EZ15028F02MS80
1x Ø 3.5, 1x Ø 6.5				EZ15028H02MS01
1x Ø 3.5, 1x Ø 8.5				EZ15028B02MS67
1x Ø 3.5, 1x Ø 6.5, 1x Ø 8.5, 1x Ø 10.5				EZ15028C04MS15
Without bore holes				EZ15028000MS00
Sleeve incl. one hole by choice	Dry block	Ø 28 x 150	Brass	Please indicate bore holes in your order
Every additional hole				
<b>Example order number adapter sleeve</b>				<b>EZ16360C04AL05</b>



Order code	
<b>4. Calibration certificate - Select your certificates as required*</b>	<b>Order number</b>
SIKA Works calibration certificate for first function	EKTPWP1FKT
SIKA Works calibration certificate for second function	EKTPWP2FKT
DAkkS calibration certificate for first function	EKTPDAKKS1FKT
DAkkS calibration certificate for second function	EKTPDAKKS2FKT
Additional test point DAkkS calibration certificate	EKTPDAKKSZUSP
SIKA Works calibration certificate int. measuring instrument (Pt100, Type K)	EKTPWP1M1
SIKA Works calibration certificate int. measuring instrument (Pt100, Pt1000 Type K, Type J)	EKTPWP1M2
SIKA Works calibration certificate int. measuring instrument (Pt100, Type K, mA, V)	EKTPWP1M3
SIKA Works calibration certificate int. measuring instrument (Pt100, Pt1000 Type K, Type J, mA, V)	EKTPWP1M4
SIKA Works calibration certificate each additional measuring input of your choice (Pt 500, Pt1000, Type J/N/E/T/R/S, mA, V)	EKTPWP1MIZUS
SIKA Works calibration certificate complete (Pt100, Pt 500, Pt1000, Type K/J/N/E/T/R/S, mA, V)	EKTPWP1MKOMPL
DAkkS calibration certificate int. measuring instrument (Pt100, Type K)	EKTPDAKKS1M1
DAkkS calibration certificate int. measuring instrument (Pt100, Pt1000 Type K, Type J)	EKTPDAKKS1M2
DAkkS calibration certificate int. measuring instrument (Pt100, Type K, mA, V)	EKTPDAKKS1M3
DAkkS calibration certificate int. measuring instrument (Pt100, Pt1000 Type K, Type J, mA, V)	EKTPDAKKS1M4
DAkkS calibration certificate each additional measuring input of your choice (Pt 500, Pt1000, Type J/N/E/T/R/S, mA, V)	EKTPDAKKS1MIZUS
DAkkS calibration certificate complete (Pt100, Pt 500, Pt1000, Type K/J/N/E/T/R/S, mA, V)	EKTPDAKKS1KOMPL

Order code	
<b>5. Accessories</b>	<b>Order number</b>
<b>Transport case</b>	
Without trolley attachment frame	EZTPKOFFER004
With trolley attachment frame	EZTPKOFFER004TG
<b>More accessories</b>	
Ext. reference sensor TF 255-3-300 [-55...255 °C]	W033P413000GX002
Ext. reference sensor TF 255-3-300 [-55...255 °C], 90° angle	W033P413000GX0W1
Network switch	XE2103
Barcode scanner	XE2102
W-LAN router	XE2101
DUT sensor for demo purposes (Pt100 3-phase) for int. measuring instrument	WMQMP31020050003
Instruction to the temperature calibrator by SIKA field service	EKTPEINWEISUNG
Packaging for calibrator return (for example for recalibration) **	098V

\* Each calibrator comes with a standard test certificate.

\*\* Please indicate the calibrator model when ordering.

## TP 37 // Dry block & multifunction // Room Temperature...450 °C









Typ	Highlights
TP37450E.2	<ul style="list-style-type: none"> <li>• Fastest cooling times - time and cost savings thanks to a new, patented fan concept</li> <li>• Large calibration volume of Ø 60 x 150 mm for simultaneous calibration of numerous test pieces</li> <li>• Widest temperature range up to 450 °C in the middle temperature segment</li> <li>• Fastest stabilization times on the market</li> <li>• Patented touchscreen function</li> <li>• The only multifunctional calibrator in this temperature range on the market</li> <li>• Measuring instrument with two channels and best accuracies on the market</li> <li>• DUT management with barcode scanner (accessories)</li> </ul>

Technical data		
<b>Type</b>	TP 37450E.2	
<b>Temperature range*</b>	Room temperature...450 °C	
<b>Calibration volume</b>	Ø 60 x 150 mm	
<b>Dry block Air Shield Insert</b>	<b>Ext. Reference sensor</b>	
<b>Display accuracy</b>	±0.2 °C	
<b>Temperature stability</b>	±0.010 °C	
<b>Temperature distribution</b>		
→ Axial	±0.100 °C	
→ Radial	±0.070 °C	
<b>Influence if load</b>	±0.050 °C	
<b>Homogeneous temperature zone</b>	Bottom 40 mm of the sleeve	
<b>Dry Block</b>	<b>Ext. Reference sensor</b>	<b>Int. Reference sensor</b>
<b>Display accuracy</b>	±0.3 °C	±0.4 °C
<b>Temperature stability</b>	±0.010 °C	±0.030 °C
<b>Temperature distribution</b>		
→ Axial	±0.300 °C	±0.300 °C
→ Radial	±0.080 °C	±0.080 °C
<b>Influence of load</b>	±0.050 °C	±0.150 °C
<b>Homogeneous temperature zone</b>	Bottom 40 mm of the sleeve	

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

Infrared calibration	Ext. Reference sensor	Int. Reference sensor
Display accuracy	±0.5 °C	±0.5 °C
Temperature stability	±0.030 °C	±0.100 °C
Emission factor	1	
Surface calibration	Ext. Reference sensor	
Display accuracy	±1 °C	
Temperature stability	±0.250 °C	

General data	
Type	TP 37450E.2
Stabilization time (with external reference) → to ±0.05°C → to ±0.005°C	From 1 min From 5 min
Heating time → RT...Tmax -10 °C	17 min
Cooling time → Tmax...RT +10 °C	36 min
Resolution	01. / 0.01 / 0.001 °C (selectable)
Hysteresis	±0.020 °C
Temperature units	°C / °F / K (selectable)
Control sensor	internal / external (selectable)
Interface	Ethernet, 3 x USB
Dimensions → Width → Height → Depth	210 mm 330 mm 300 mm
Weight	11 kg
Power supply	100...240 VAC, 50 / 60 Hz
Power consumption	Approx. 1000 W
Adjustable temperature range	0...450 °C
Display	Brilliant color touchscreen (7 inches), multi panel safety glass
Approvals	
     	

## TP 37 // Integrated measuring instrument

<b>Technical Data</b>	
<b>Optional for temperature calibrators</b>	TP 37450E.2i*
<b>Test pieces inputs - Resistance thermometer</b>	
<b>Number of channels</b>	2
<b>Connection</b>	4x 4 mm safety socket per channel
<b>Connection type</b>	2-, 3-, 4-wire technology
<b>Resistance range</b>	
→ Pt100	0...400 Ω
→ Pt1000	0...4000 Ω
<b>Accuracy</b>	
→ Pt100	±0.03 °C
→ Pt1000	±0.06 °C
<b>Device under test input - Thermocouple</b>	
<b>Number of channels</b>	2
<b>Connection</b>	2x thermocouple socket (Mini)
<b>Measuring range</b>	-10...100 mV
<b>Accuracy cold junction</b>	±0.3 °C
<b>Accuracy</b>	
→ Type K	±0.08 °C
→ Type J	±0.07 °C
→ Type N	±0.13 °C
→ Type E	±0.06 °C
→ Type T	±0.09 °C
→ Type R	±0.78 °C
→ Type S	±0.73 °C
<b>Standard signal input (Current)</b>	
<b>Number of channels</b>	1
<b>Connection</b>	4 mm safety socket
<b>Measuring range</b>	0...24 mA
<b>Accuracy</b>	0.01 % full scale
<b>Standard signal input (Voltage)</b>	
<b>Number of channels</b>	1
<b>Connection</b>	4 mm safety socket
<b>Measuring range</b>	0...12 VDC
<b>Accuracy</b>	0.01 % full scale
<b>Switch test</b>	
<b>Number of channels</b>	2
<b>Transmitter supply</b>	
<b>Output current</b>	Max. 24 mA
<b>Output voltage</b>	24 VDC

\* See order code



## TP 37 // Dry block // multifunction

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

1. Calibrator type 

EP37	xx	x	x	xxxxxx
------	----	---	---	--------
2. Linearization 

EPLIK	xx	x	x
-------	----	---	---
3. Adapter sleeve 

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

Order code									
1. Calibrator type									
Temperature range	Function	Block	Power supply	Type					
RT...450°C	Multifunction	Ø 60 x 150 mm	110...240 V	TP 37450E.2					
<table border="1" style="width:100%; text-align:center;"> <tr><td>EP37</td><td>45</td><td>2</td><td>6015U3</td></tr> </table>					EP37	45	2	6015U3	
EP37	45	2	6015U3						
Integrated measuring instrument									
Without									
With									
<table border="1" style="width:100%; text-align:center;"> <tr><td>0</td></tr> <tr><td>I</td></tr> </table>					0	I			
0									
I									
<b>Example order number calibrator</b>									
<table border="1" style="width:100%; text-align:center;"> <tr><td>EP37</td><td>45</td><td>I</td><td>2</td><td>6015U3</td></tr> </table>					EP37	45	I	2	6015U3
EP37	45	I	2	6015U3					

Order code								
2. Linearization								
With linearization								
<table border="1" style="width:100%; text-align:center;"> <tr><td>EPLIK</td></tr> </table>					EPLIK			
EPLIK								
Function								
Dry block (Air Shield Insert)*								
Dry block								
Infrared								
Surface calibration*								
<table border="1" style="width:100%; text-align:center;"> <tr><td>AS</td></tr> <tr><td>DB</td></tr> <tr><td>IR</td></tr> <tr><td>SU</td></tr> </table>					AS	DB	IR	SU
AS								
DB								
IR								
SU								
Reference sensor								
Internal								
External								
<table border="1" style="width:100%; text-align:center;"> <tr><td>I</td></tr> <tr><td>E</td></tr> </table>					I	E		
I								
E								
Test points								
Standard								
Customised								
<table border="1" style="width:100%; text-align:center;"> <tr><td>0</td></tr> <tr><td>K</td></tr> </table>					0	K		
0								
K								
<b>Example order number linearisation</b>								
<table border="1" style="width:100%; text-align:center;"> <tr><td>EPLIK</td><td>AS</td><td>I</td><td>0</td></tr> </table>					EPLIK	AS	I	0
EPLIK	AS	I	0					

Order code					
3. Adapter sleeve					
Bore holes [mm]	Function	Block [mm]	Material	Order number	
1x Ø 3.5, 1x Ø 6.5, 1x Ø 8.5, 1x Ø 10.5	Dry block	Ø 60 x 150	Aluminium	EZ15060D04AL78	
2x Ø 3.5, 2x Ø 4.5, 2x Ø 6.5, 2x Ø 8.5, 2x 10.5	Dry block	Ø 60 x 150	Aluminium	EZ15060D10AL79	
2x Ø 3.5, 1x Ø 4.5, 1x Ø 5.0, 1x Ø 5.5, 1x Ø 6.5, 1x Ø 8.5, 1x Ø 9.0, 1x Ø 9.5, 1x Ø 10.5	Dry block	Ø 60 x 150	Aluminium	EZ15060D12AL81	
Black body sleeve	Infrared	Ø 60 x 150	Aluminium	EZ15060B03AL41IR	
Adapter sleeve for calibration of surface sensors	Surface	Ø 60 x 150	Aluminium	EZ17260B02AL06OF	
Without bore holes (Air Shield Insert)	Dry block	Ø 60 x 150	Aluminium	EZ15260B00AL23F	
Air Shield Insert incl. 1 hole by choice	Air Shield Insert	Ø 60 x 150	Aluminium	Please indicate bore holes in your order	
<b>Example order number adapter sleeve</b>					
<table border="1" style="width:100%; text-align:center;"> <tr><td>EZ15260B00AL23F</td></tr> </table>					EZ15260B00AL23F
EZ15260B00AL23F					

\* Only with external reference sensor



Order code	
4. Calibration certificate - Select your certificates as required*	Order number
SIKA Works calibration certificate for first function	EKTPWP1FKT
SIKA Works calibration certificate for second function	EKTPWP2FKT
DAkkS calibration certificate for first function	EKTPDAKKS1FKT
DAkkS calibration certificate for second function	EKTPDAKKS2FKT
Additional test point DAkkS calibration certificate	EKTPDAKKSZUSP
SIKA Works calibration certificate int. measuring instrument (Pt100, Type K)	EKTPWPMI1
SIKA Works calibration certificate int. measuring instrument (Pt100, Pt1000 Type K, Type J)	EKTPWPMI2
SIKA Works calibration certificate int. measuring instrument (Pt100, Type K, mA, V)	EKTPWPMI3
SIKA Works calibration certificate int. measuring instrument (Pt100, Pt1000 Type K, Type J, mA, V)	EKTPWPMI4
SIKA Works calibration certificate each additional measuring input of your choice (Pt 500, Pt1000, Type J/N/E/T/R/S, mA, V)	EKTPWPMIZUS
SIKA Works calibration certificate complete (Pt100, Pt 500, Pt1000, Type K/J/N/E/T/R/S, mA, V)	EKTPWPMIKOMPL
DAkkS calibration certificate int. measuring instrument (Pt100, Type K)	EKTPDAKKSMI1
DAkkS calibration certificate int. measuring instrument (Pt100, Pt1000 Type K, Type J)	EKTPDAKKSMI2
DAkkS calibration certificate int. measuring instrument (Pt100, Type K, mA, V)	EKTPDAKKSMI3
DAkkS calibration certificate int. measuring instrument (Pt100, Pt1000 Type K, Type J, mA, V)	EKTPDAKKSMI4
DAkkS calibration certificate each additional measuring input of your choice (Pt 500, Pt1000, Type J/N/E/T/R/S, mA, V)	EKTPDAKKSIMIZUS
DAkkS calibration certificate complete (Pt100, Pt 500, Pt1000, Type K/J/N/E/T/R/S, mA, V)	EKTPDAKSKOMPL

Order code	
5. Accessories	Order number
<b>Transport case</b>	
Without trolley attachment frame	EZTPKOFFER003
With trolley attachment frame	EZTPKOFFER003TG
<b>More accessories</b>	
Ext. reference sensor TF 450-4.5-300 (RT...450 °C), straight design	W454P413000GX0A2
Network switch	XE2103
Barcode scanner	XE2102
W-LAN router	XE2101
DUT sensor for demo purposes (Pt100 3-wire) for int. measuring instrument	WMQMP31020050003
Bore divider for 3 x Ø 3 mm sensors from Ø 9 mm bore hole	XE2194
Spare part extension spring for Air Shield Insert	XE2267
Instruction to the temperature calibrator by SIKA field service	EKTPPEINWEISUNG
Frame packaging for calibrator return (for example for recalibration) **	098V

\* Each calibrator comes with a standard test certificate.

\*\* Please indicate the calibrator model when ordering.

## TP 17 // Dry block // -55...650 °C



TP 17200S



TP 17650S

Technical data					
<b>Type</b>	TP 17200S	TP 17165S	TP 17166S	TP 17450S	TP 17650S
<b>Control sensor</b>	internal				
<b>Temperature range*</b>	-55...200 °C	-35...165 °C	-35...165 °C	RT...450 °C	RT...650 °C
<b>Dry block</b>					
<b>Accuracy</b>	±0.2 °C	±0.2 °C	±0.2 °C	±0.3 °C	±0.4 °C
<b>Stability</b>	±0.05 °C	±0.05 °C	±0.05 °C	±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>	-60...200 °C	-50...165 °C	-50...165 °C	0...450 °C	0...650 °C
<b>Resolution</b>	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					
<b>Type</b>	TP 17200S	TP 17165S	TP 17166S	TP 17450S	TP 17650S
<b>Interface</b>	RS485, RS232 or USB (optional)				
<b>Calibrator dimensions</b>					
→ 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	
<b>Block dimensions</b>					
→ 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
<b>Weight</b>	Approx. 12.5 kg	Approx. 10 kg	Approx. 7.5 kg		
<b>Power supply</b>					
→ 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...230 VAC, 50 / 60 Hz
<b>Power consumption</b>	Approx. 555 W	Approx. 375 W		Approx. 2000 W	Approx. 1000 W

Order code					
<b>Type</b>	TP 17200S	TP 17165S	TP 17166S	TP 17450S	TP 17650S
	EP17200S281503	EP17160S281503	EP17160S601503	EP17450S601500	EP17650S281500

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

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



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

Order code		
<b>Type</b>	TP 17ZERO	TP 281300E
	EP171000B71503	EP28138E000003

Temperature → Calibration → Temperature Calibrators → TP Solid

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



### 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	

General data		
<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

Order code		
<b>Type</b>	TP M165S	TP M255S
	EPMB160S601503	EPMB250S601500

*Equipment for requested type with separate order code*

Equipment	Example → EPLIK	LI	I	01	0
<b>Linearisation</b>					
With linearization	EPLIK				
<b>Function</b>					
Micro calibration bath		LI			
Tub insert		TI			
<b>Reference sensor</b>					
Internal			I		
<b>Adjustment to medium</b>					
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	
<b>Test points</b>					
Standard					0
Customized					K

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



## TP 17 // Dry block // -55...650 °C



TP 17200



TP 17650

### 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
<b>Dry block</b>					
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				
<b>Display unit</b>					
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				

General data					
<b>Type</b>	TP 17200	TP 17165	TP 17166	TP 17450	TP 17650
<b>Calibrator dimensions</b>					
→ Width	150 mm	210 mm		150 mm	150 mm
→ Height	330 + 70 mm	380 + 50 mm		330 + 70 mm	330 + 70 mm
→ Depth	270 mm	300 mm		270 mm	270 mm
<b>Block dimensions</b>					
→ Diameter	Ø 28 mm		Ø 60 mm	Ø 60 mm	Ø 28 mm
→ Depth	150 mm		150 mm	150 mm	150 mm
<b>Weight</b>	Approx. 12.5 kg	Approx. 10 kg		Approx. 7.5 kg	
<b>Power supply</b>					
→ 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
<b>Power consumption</b>	Approx. 555 W	Approx. 375 W		Approx. 2000 W	Approx. 1000 W

Order code					
<b>Type</b>	TP 17200	TP 17165	TP 17166	TP 17450	TP 17650
	EP172000281503	EP171600281503	EP171600601503	EP174500601500	EP176500281500

Options	Order code
<b>Type</b>	TP 17650
<b>Power supply</b>	
→ 100...115 V	EP176500281502
→ 100...240 V	EP176500281503

## TP 17 // Dry block // -35...650 °C




TP 17165M



TP 17650M

### Technical data

<b>Type</b>	TP 17165M	TP 17650M
<b>Control sensor</b>	internal	
<b>Temperature range*</b>	-35...165 °C	RT...650 °C
<b>Dry block</b>		
<b>Accuracy</b>	±1 °C	±1 °C
<b>Stability</b>	±0.1 °C	±0.1 °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...650 °C
<b>Resolution</b>	1 °C	
<b>Approvals</b>		
		

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

General data		
<b>Type</b>	TP 17165M	TP 17650M
<b>Calibrator dimensions</b>		
→ Width	150 mm	150 mm
→ Height	330 + 70 mm	330 + 70 mm
→ Depth	270 mm	270 mm
<b>Block dimensions</b>		
→ Diameter	Ø 28 mm	Ø 28 mm
→ Depth	150 mm	150 mm
<b>Weight</b>	Approx. 10 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

Order code		
<b>Type</b>	TP 17165M	TP 17650M
	EP17160M281503	EP17650M281500

Options	Order code
<b>Type</b>	TP 17650M
<b>Power supply</b>	
→ 100...115 V	EP17650M281502
→ 100...240 V	EP17650M281503

## TP 18 // Special versions // Room temperature (RT)...850 °C



TP 18200E



TP 18850E

### Technical data

<b>Type</b>	TP 18200E	TP 18850E
<b>Control sensor</b>	internal	
<b>Temperature range*</b>	RT...200 °C	RT...850 °C
<b>Dry block</b>		
<b>Accuracy</b>	±1 °C	±1 °C
<b>Stability</b>	±0.1 °C	±0.1 °C
<b>Measurement zone</b>	60...100 mm	
<b>Display unit</b>		
<b>Display</b>	2-line, 4-digit display red / green, unit °C / °F	
<b>Display range</b>	0...200 °C	0...850 °C
<b>Resolution</b>	1 °C	

### General data

<b>Type</b>	TP 18200E	TP 18850E
<b>Calibrator dimensions</b>		
→ Width	220 mm	330 mm (handles + 70 mm)
→ Height	96 mm	270 mm
→ Depth	230 mm (handle + 50 mm)	150 mm
<b>Block dimensions</b>		
→ Diameter	Ø 18 mm	
→ Depth	100 mm	
<b>Weight</b>	Approx. 4 kg	Approx. 14 kg
<b>Power supply</b>		
→ Standard	230...240 VAC, 50 / 60 Hz,	230...240 VAC, 50 / 60 Hz
→ Optional	100...115 VAC, 50 / 60 Hz	
<b>Power consumption</b>	Approx. 200 W	Approx. 2000 W

### Order code

<b>Type</b>	TP 18200E	TP 18850E
	EP18200E181000	EP18850E18100

### Options

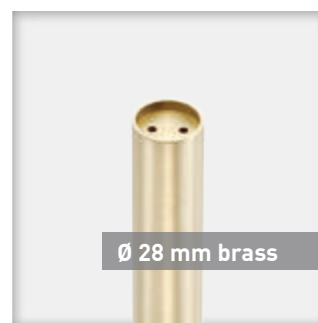
#### Order code


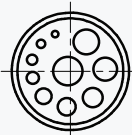



<b>Type</b>	TP 18200E
<b>Power supply</b>	→ 100...115 V EP18200E181002

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

# ACCESSORIES

## Accessories // Adapter sleeves // Measuring inserts



Accessories	Order code		
<b>Adapter sleeve (including one drilling)</b>	Calibrators with dry block function	According configuration	
<b>More drillings</b>	Custom	According configuration	
<b>Black body sleeve for calibration of infrared thermometers</b>	Ø 60 x 150mm and Ø 60 x 170mm	EZ15060B03AL41IR	
<b>Tub insert for micro calibration bath</b>	Ø 60 x 170 mm	EZTPMBEK000000	
<b>Adapter sleeve for surface temperature sensors</b>	Calibrators with block dimensions 170 mm (depth)	EZ20460B03AL050F	

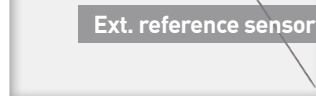
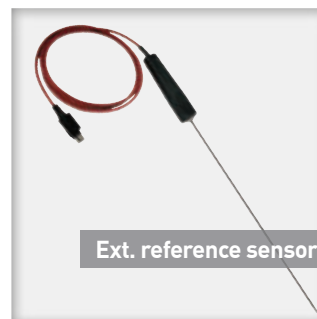
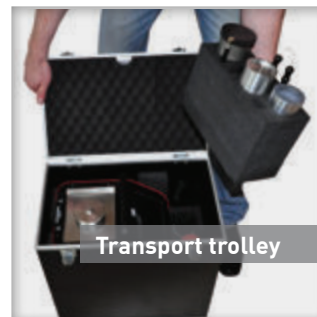
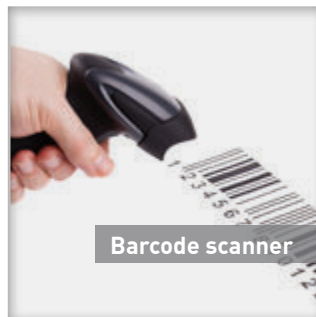


## Accessories // Adapter sleeves // Standard configuration

Series	TP M / TP 3M / TP 17	TP 17 / TP 37 / TP 38	
Dimensions	Ø 60 mm x 170 mm	Ø 28 mm x 150 mm	
Material	Aluminum	Brass	
Drillings		Ordercode	
1x 3.5 mm (1/8") 1x 6.5 mm (1/4")	<b>SleeveDB60170-A</b> EZ16360B02AL69	<b>SleeveDB28150-A</b> EZ15028H02MS01	
1x 3.5 mm (1/8") 1x 6.5 mm (1/4") 1x 13.5 mm (1/2")	<b>SleeveDB60170-B</b> EZ16360B02AL69	<b>SleeveDB28150-B</b> EZ15028B03MS17	
1x 3.5 mm (1/8") 1x 5.0 mm (9/16") 1x 6.5 mm (1/4") 1x 9.5 mm (3/8")	<b>SleeveDB60170-C</b> EZ16360C04AL46	<b>SleeveDB28150-C</b> EZ15028G04MS44	
1x 3.5 mm (1/8") 6x 6.5 mm (1/4")	<b>SleeveDB60170-D</b> EZ16360C07AL44	<b>SleeveDB28150-D</b> EZ15028D07MS22	
1x 3.5 mm (1/8") 2x 5.0 mm (9/16") 2x 6.5 mm (1/4") 2x 9.5 mm (3/8")	<b>SleeveDB60170-E</b> EZ16360C07AL45	<b>SleeveDB28150-E</b> EZ15028G07MS43	
No drillings	<b>SleeveDB60170-F</b> EZ16360000AL00	<b>SleeveDB28150-X</b> EZ15028000MS00	

\* Customer designed sleeves are available, at request

## Accessories // Certificates // Recalibration



Certificates	Order code
SIKA-Works calibration certificate 1st function	EKTPWP1FKT
SIKA-Works calibration certificate 2nd function	EKTPWP2FKT
SIKA-Works calibration certificate 3rd function	EKTPWP3FKT
SIKA-Works calibration certificate 4th function	EKTPWP4FKT
DAkkS calibration certificate 1st function	EKTPDAKKS1FKT
DAkkS calibration certificate 2nd function	EKTPDAKKS2FKT
DAkkS calibration certificate 3rd function	EKTPDAKKS3FKT
DAkkS calibration certificate 4th function	EKTPDAKKS4FKT
Additional test point DAkkS-Certificate	EKTPDAKKSZUSP
SIKA-Works calibration certificate for calibrator and measuring inputs	EKTPWPMINST
DAkkS - Certificate for calibrator and measuring inputs	EKTPDAKKSMINST
NIST - Certificate for calibrator and measuring inputs	TP-NIST Cert

Recalibration	Order code
Document of pre-adjustment values (block) re-calibration (each function)	EKTPEW
Adjustment (block) re-calibration (each function)	EKTPJUSTAGE
Adjustment TT Scan and adjustment internal measuring instrument	EKTPJUSTAGESCAN



Accessories	For type	Order code
<b>Transport</b>		
Transport case	TP 17650	EZTPKOFFER002
	TP 17450, TPM 255	EZTPKOFFER003
	TP 17165, TP 17200, TP37 165, TP 37200	EZTPKOFFER004
	TP M165, TP 17166, TP 3M165	EZTPKOFFER005
	TP 37700	EZTPKOFFER006
	TP 18200	EZ999999990001
	TP 281300	EZ999999990006
	TP 18850	EZ999999990005
Transport case with trolley attachment frame	TP 17650	EZTPKOFFER002TG
	TP 17450, TPM 255	EZTPKOFFER003TG
	TP 17165, TP 17200, TP37 165, TP 37200	EZTPKOFFER004TG
	TP M165, TP 17166, TP 3M165	EZTPKOFFER005TG
	TP 37700	EZTPKOFFER006TG
Transport bag	TP 17000	XE2193
<b>PC</b>		
PC software (without TT-Scan)	TP 17200S, TP 17165S, TP 17166S, TP M165S, TP M255S, TP 17450S, TP 17650S, TP 281300E	EZ999999999971
PC software (with TT-Scan)	TP 17200S, TP 17165S, TP 17166S, TP M165S, TP M255S, TP 17450S, TP 17650S, TP 281300E	EZ380000000001
Converter RS485 to USB	TP 17200S, TP 17165S, TP 17166S, TP M165S, TP M255S, TP 17450S, TP 17650S, TP 281300E, TP 38165, TP38650	EZ170000000002
Converter RS232 to USB	TP 38165, TP 38650	EZ380000000002
Barcode scanner	TP 37200, TP 37165, TP 3M165, TP 3M255	XE2102
Wifi router	TP 37200, TP 37165, TP 3M165, TP 3M255	XE2101
<b>Calibration</b>		
Tripod	TP M165, TP M255	EZTPMSG0000000
Calibration liquid - Silicone oil 50 cSt (50...270 °C)	Calibrators with micro calibration bath fuction	EZSÖ0500000000
Calibration liquid - Silicone oil 20 cSt (7...220 °C)	Calibrators with micro calibration bath fuction	EZSÖ0200000000
Calibration liquid - Silicone oil 10 cSt (-35...155 °C)	Calibrators with micro calibration bath fuction	EZSÖ0100000000
Calibration liquid (Silicone oil), 5 cSt (-40...123°C)	Calibrators with micro calibration bath fuction	EZSÖ0050000000
Ext. reference sensor TFEE 255-3-300 (-55...255 °C)	TP 38165	W033P413000XX002

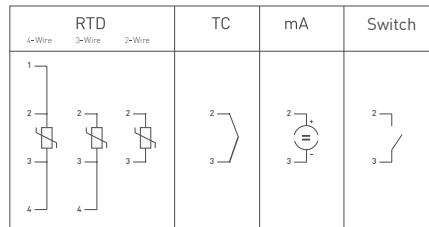
## Accessories // Measuring instrument // TT-Scan



Scanner unit TT-Scan

### Properties

#### Possibilities to connect



#### Version

Scanner device with precision measuring instrument

#### Measuring inputs

Switchable  
For up to 8 sensors  
Sensor type free configurable

#### General data

##### Power supply

230 VAC  $\pm 10\%$ , 50/60 Hz via adapter

##### Power consumption

Approx. 10 W

##### Dimensions (D x W x H)

200 x 140 + 40 x 380 mm

7.87 x 5.51 + 1.57 x 14.96 in

##### Weight

Approx. 2.5 kg

Approx. 5.51 lbs

#### Equipment features

32 x 4 mm/1.26 x 0.16 in connections free of thermal voltage

External cold junction available  
Serial USB data interface, incl. USB data cable

#### Options

Aluminum transport case, test & calibration software, DAkkS certificate  
SIKA works certificate, external calibration reference sensors

## Accessories // Measuring instrument // TT-Scan // Measuring inputs

	Version	Measuring range		Tolerance	
<b>Resistance thermometer EN 60751</b>					
<b>Pt100</b> <b>Pt500</b> <b>Pt1000</b>	2-, 3-, 4-wire	-90.00 °C...850.00 °C	-130.00 °F...1562.0 °F	±0.005 % full scale ±0.01 °C	±0.005 % full scale ±0.02 °F

Connection possibility through 4 mm connections free of thermal voltage

<b>Thermocouples according to DIN EN 60584 / DIN 43710</b>					
<b>Type K</b>	NiCr-NiAl	-90.00...999.99 °C 1000.0...1370.0 °C	-130.00...1831.9 °F 1832.0...2498.0 °F	±0.007 % full scale ±0.01 °C ±0.005 % full scale ±0.1 °C	±0.007 % full scale ±0.02 °F ±0.005 % full scale ±0.18 °F
<b>Type J</b>	FeCu-Ni	-90.00...900.00 °C	-130.00...1652.0 °F	±0.005 % full scale ±0.01 °C	±0.005 % full scale ±0.02 °F
<b>Type N</b>	NiCrSi - NiSiMg	-90.00...999.99 °C 1000.0...1370.0 °C	-130.00...1831.98 °F 1832.0...2498.0 °F	±0.007 % full scale ±0.01 °C ±0.005 % full scale ±0.1 °C	±0.007 % full scale ±0.02 °F ±0.005 % full scale ±0.18 °F
<b>Type E</b>	NiCr-CuNi	-90.00...700.00 °C	-130.00...1292.0 °F	±0.005 % full scale ±0.01 °C	±0.005 % full scale ±0.02 °F
<b>Type R</b>	Pt13Rh - Pt	0.00...999.99 °C 1000.0...1760.0 °C	32.00...1831.9 °F 1832.0...3200.0 °F	±0.05 % full scale ±0.01 °C ±0.03 % full scale ±0.1 °C	±0.05 % full scale ±0.02 °F ±0.03 % full scale ±0.18 °F
<b>Type T</b>	Cu-CuNi	-90.00...400.00 °C	-90.00...400.00 °F	±0.01 % full scale ±0.01 °C	±0.01 % full scale ±0.02 °F
<b>Type B</b>	Pt30Rh-Pt6Rh	0.00...999.99 °C 1000.0...1820.0 °C	32.00...1831.98 °F 1832.0...3308.0 °F	±0.05 % full scale ±0.01 °C ±0.03 % full scale ±0.1 °C	±0.05 % full scale ±0.02 °F ±0.03 % full scale ±0.18 °F
<b>Type S</b>	Pt10Rh-Pt	0.00...999.99 °C 1000.0...1760.0 °C	32.00...1831.98 °F 1832.0...3200.0 °F	±0.05 % full scale ±0.01 °C ±0.03 % full scale ±0.1 °C	±0.05 % full scale ±0.02 °F ±0.03 % full scale ±0.18 °F
<b>Type L</b>	Fe-CuNi	-90.00...900.00 °C	-130.00...1652.0 °F	±0.005 % full scale ±0.01 °C	±0.005 % full scale ±0.02 °F
<b>Type U</b>	Cu-CuNi	90.00...600.00 °C	194.00...1112.0 °F	±0.01 % full scale ±0.01 °C	±0.01 % full scale ±0.02 °F

Automatic comparison point compensation between 0 °C/32 °F and 60 °C/140 °F

Accuracy of the comparison point Pt100 DIN class A

Possibility of connection through 4 mm/0.16 in connections free of thermal voltage

<b>Standard signal input</b>					
Current (switchable)	mA	0(4)...20 mA		±0.015 % full scale ±0.01 mA	

Transmitter supply 24 VDC,  $I_{max} = 30$  mA,

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### Temperature switch

Automatic detection of an edge change, determining the hysteresis,

Independent detection normally closed / normally open

Potential-free input contacts ( $U_{max} = 5$  V,  $I_{max} = 1$  mA)

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### Calibration reference sensor connection

Pt100	4-wire	-90.00...850.00 °C	-90.00...850.00 °F	±0.005 % full scale ±0.01 °C	±0.005 % full scale ±0.02 °F
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Polynomial correctable through internal parameters or through external EEPROM inside the sensor

Possibility of connection through 7-pin built-in socket

Multi channel measuring instrument	Order code
8-channel measuring instrument	ET3849U0308003
SIKA-Works calibration certificate measuring inputs	EKTSCAN00000W
DAkS-Certificate measuring inputs	EKTSCAN00000D
PC-Software (Block + measuring inputs)	EZ38000000001
Reference sensor TFEE 255-3-300 (-55...255 °C)	W033P413000XX002
Reference sensor TFEE 650-3-300 (-35...650 °C)	W034P413000XX002
Sensor specific linearization TFEE	EKTTEE-LIN0000
SIKA-Works certificate TF or TFEE	EKTMK0000000W
DAkS-Certificate for TF or TFEE (-30...500°C)	EKTMK0000000D