



Screw-In and Welded Resistance Thermometers according to DIN with Removable Measuring Element

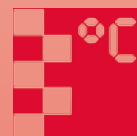


measuring
•
monitoring
•
analysing

TWD



- Measuring ranges:
-80... +600 °C
- Pt 100 sensor category B
(category A optional)
- Optional head mounted
transmitter; output: 4 - 20 mA
- Protective tubes according to DIN 43 763
form A, B, C, D, G, F



T2

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Screw-In and Welded Resistance Thermometers according to DIN
with Removable Measuring Element Model TWD



Screw-in resistance thermometer form C with neck pipe

Protective tube G 1 male according to DIN 43 763

	Model no.	Immersion length [mm]	Protective tube	Connection	Sensor type / category	Wiring	Connection head
	TWD-CB410	100	11 x 7 mm stainless steel 1.4571 max. 600 °C	..4.. = G 1	..1.. = 1x Pt100, category B (-30 ... +550 °C)	..2.. = 2-wire	..B = form B ..T* = form B with transducer for top mounting TUM-KW ..P* = form B with transducer for top mounting TUM-KP
	TWD-CB416	160			..2.. = 2x Pt100, category B (-30 ... +550 °C)	..3.. = 3-wire	
	TWD-CB425	250			..3.. = 1x Pt100, category B (-80 ... +600 °C)	..4.. = 4-wire**	
	TWD-CB440	400			..4.. = 2x Pt100, category B (-80 ... +600 °C)	from an installation length >160 mm we recommend a 3- or 4-wire	

* Please specify meas. range when ordering. ** with 1 x Pt100 only

Screw-in resistance thermometer form G with neck pipe

Tapered protective tube G 1 AG according to DIN 43 763 for faster response time

	Model no.	Immersion length [mm]	Protective tube	Connection	Sensor type / category	Wiring	Connection head
	TWD-G9416	160	9 x 7 mm stainless steel 1.4571 max. 600 °C	..4.. = G 1	..1.. = 1x Pt100, category B (-30 ... +400 °C) ..2.. = 2x Pt100, category B (-30 ... +400 °C)	..2.. = 2-wire	..B = form B ..T* = form B with transducer for top mounting TUM-KW ..P* = form B with transducer for top mounting TUM-KP
	TWD-G9425	250				..3.. = 3-wire	
	TWD-G9428	280				..4.. = 4-wire**	

* Please specify meas. range when ordering. ** with 1 x Pt100 only

Immersion resistance thermometer form A

Protective tube according to DIN 43 763 with adjustable screwing

	Model no.	Nominal length [mm]	Protective tube	Connection	Sensor type / category	Wiring	Connection head	
	TWD-AF450	500	15 x 11 mm stainless steel 1.4571 max. 600 °C	..B.. = adjustable, G 3/4, stainless steel ..C.. = aluminium sliding flange DIN 43743	..1.. = 1x Pt100, category B (-30 ... +550 °C)	..3.. = 3-wire	..B = form B ..T* = form B with transducer for top mounting TUM-KW ..P* = form B with transducer for top mounting TUM-KP	
	TWD-AF471	7100			..2.. = 2x Pt100, category B (-30 ... +550 °C)			
	TWD-AF41T	1000			..3.. = 1x Pt100, category B (-80 ... +600 °C)			
	TWD-AF4T4	1400			..4.. = 2x Pt100, category B (-80 ... +600 °C)			..4.. = 4-wire**

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Welded resistance thermometer form D
with protective tube according to DIN 43 763

	Model no.	Lengths EL/L1 [mm]	Protective tube	Connection	Sensor type / category	Wiring	Connection head
	TWD-D1406	65 / 140 (D1)	stainless steel 1.4571 -60...+550 °C	..0..= welded	..1.. = 1x Pt100, category B (-30...+550 °C)	..3..= 3-wire ..4..= 4-wire**	..B = form B ..T* = form B with transducer for top mounting TUM-KW
TWD-D1412	125 / 200 (D2)						
TWD-D4406	65 / 200 (D4)						
TWD-D5412	125 / 260 (D5)	stainless steel 1.7335 -60...+540 °C	..0..= welded	..3.. = 1x Pt100, category B (-80...+600 °C) ..4.. = 2x Pt100, category B (-80...+600 °C)	..P* = form B with transducer for top mounting TUM-KP		
TWD-D1906	65 / 140 (D1)						
TWD-D1912	125 / 200 (D2)						
TWD-D4906	65 / 200 (D4)						
TWD-D5912	125 / 260 (D5)						

* Please specify meas. range when ordering. ** with 1 x Pt100 only

Insertion resistance thermometer form F
with flange DN 25 PN 40, tapered protective tube according to DIN 43 763 for faster response time

	Model no.	Immersion length [mm]	Protective tube	Connection	Sensor type / category	Wiring	Connection head
	TWD-F9422	225	9x7 mm st. steel 1.4571 max. 400 °C	..4..= DN25	..1.. = 1x Pt100, category B (-30...+400 °C) ..2.. = 2x Pt100, category B (-30...+400 °C)	..3..= 3-wire ..4..= 4-wire**	..B = form B ..T* = form B with transducer for top mounting TUM-KW ..P* = form B with transducer for top mounting TUM-KP
TWD-F9428	285						
TWD-F9434	345						

* Please specify meas. range when ordering. ** with 1 x Pt100 only

Spare measuring insert for resistance thermometers according to DIN 43 762

	Model no.	For form	Immersion length [mm]	Length of sensing [mm]	Diameter [mm]	Sensor type / category	Wiring	Electrical connection
	TWD-M82050	A	500	525	8	..1.. = 1x Pt100, category B ..2.. = 2x Pt100, category B ..A.. = 1x Pt100, category A ..B.. = 2x Pt100, category A	from an installation length >160 mm we recommend a 3- or 4-wire	..K = ceramic base for head form B ..T* = form B with transducer for top mounting TUM-KW ..P* = form B with transducer for top mounting TUM-KP
TWD-M82071	A	710	735	8				
TWD-M8201T	A	1000	1025	8				
TWD-M82T4	A	1400	1425	8				
TWD-M8202T	A	2000	2025	8				
TWD-M62010	B,** C	100	255	6				
TWD-M62016	B,** C	160	315	6				
TWD-M62025	B,** C	250	405	6				
TWD-M62040	B,** C	400	555	6				
TWD-M620D1	D1	65	315	6				
TWD-M620D2	D2	125	375	6				
TWD-M620D4	D4	65	375	6				
TWD-M620D5	D5	125	435	6				

*Please specify meas. range when ordering. ** Version B with neck pipe (without neck pipe on request)