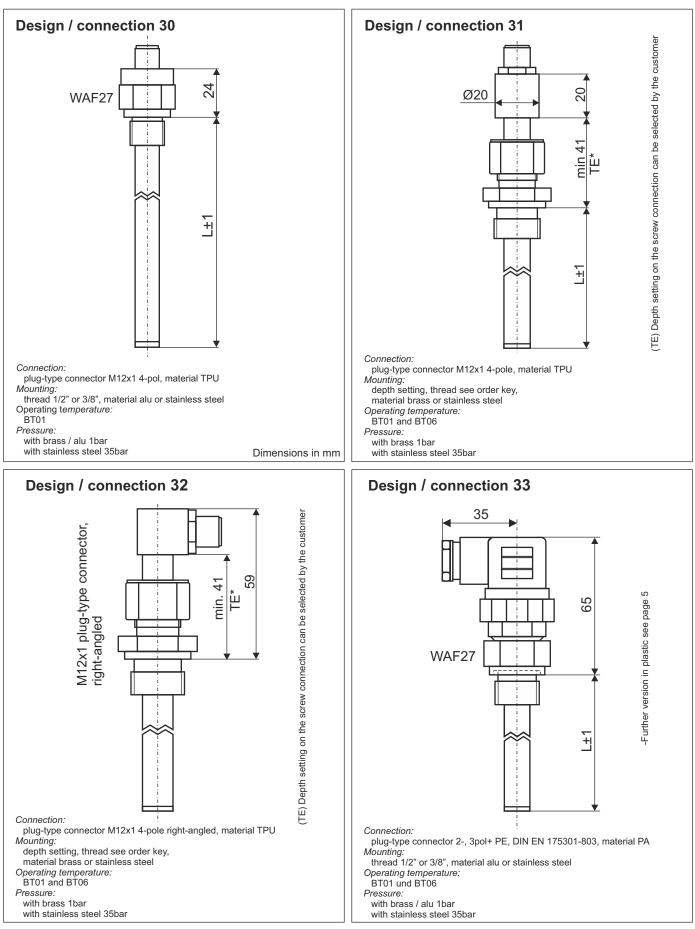


Data sheet Stever- und Temperature sensor PT100 in 2-, 3-, and 4- wire technology Type: PT100..., PT103..., PT104...

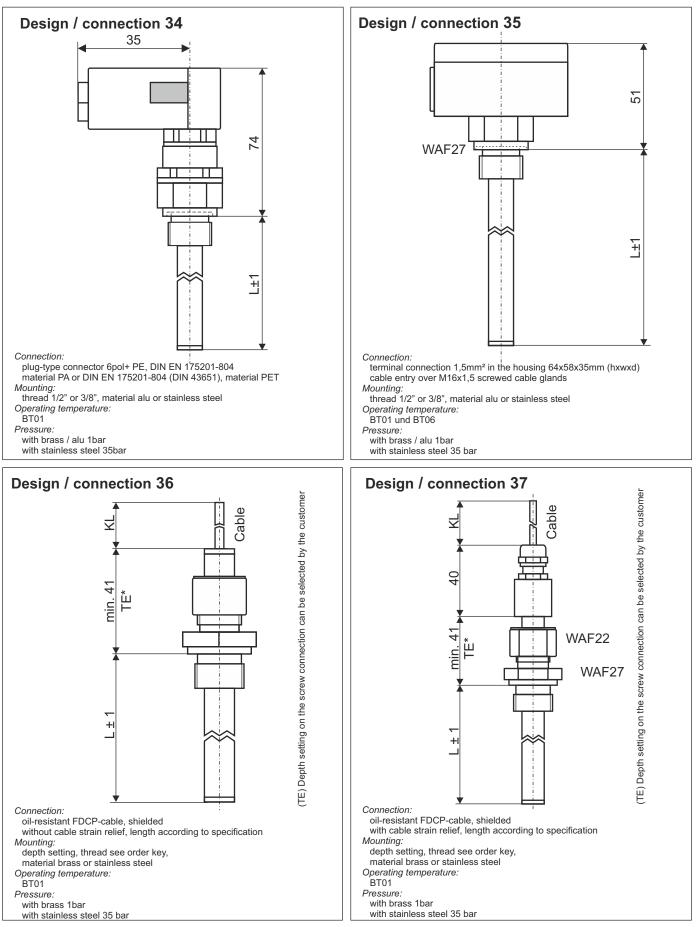


Hotline +49 (0)7389 90920 - eMail info@engler-msr.de

TS05 - 09.02.2021 - be - G: je, ph - TS_EKat_PT10x.cdr



Data sheet Stever- und Temperature sensor PT100 in 2-, 3-, and 4- wire technology Type: PT100..., PT103..., PT104...



Hotline +49 (0)7389 90920 - eMail info@engler-msr.de

TS05 - 09.02.2021 - be - G: je, ph - TS_EKat_PT10x.cdr



Data sheet Steuer- und Temperature sensor PT100 in 2-, 3-, and 4- wire technology Type: PT100..., PT103..., PT104...

Order key Example: PT104. 12. 12E. 100. 36. KL1000. BT01						BT01
Sensor element PT100 = 2-wire technology PT103 = 3-wire technology PT104 = 4-wire technology Mounting 14 = thread 1/4" (only in connection with sensor tube Ø6 and Ø8mm) 38 = thread 3/8" 12 = thread 1/2"						
Sensor tube: outer diameter: $06 = Ø6mm$ 08 = Ø8mm 10 = Ø10mm 12 = Ø12mm material: M = brass E = stainless steel						
32 = M12 plug-type 33 = plug-type conn 34 = plug-type conn 35 = terminal conne 36 = cable connection	n connector 4-pole connector 4-pole, adjustable connector right-angled ector 2-, 3 pole ector 6-pole ctor of -pole ction in the housing					
Cable length KL= L in mm (Specification only for design 36 and 37 required)						
Operating tempera BT Note: Material brass	s and stainless steel are not com	binable				
Terminal diagrams						
Plug connector	2-wire technology	3-wir 2 <u>J _</u>	e technology		4-wire technology	
Cable connector	WH BN	wн [GN BN		BN WH YE GN	
Housing connector	1 2 PT100 J		1 3 PT100 KL1	Û	KL1 2 1 PT1	00 KL3

Hotline +49 (0)7389 90920 - eMail info@engler-msr.de



Data sheet Stever- und Temperature sensor PT100 in 2-, 3-, and 4- wire technology Type: PT100..., PT103..., PT104...

Technical data

Connection: Mounting: Sensor tube:	see respective design / connection, further connections on request see respective design / connection, further mountings on request ø6mm, ø8mm, ø10mm or ø12mm, length L±1mm according to specification, material brass or stainless steel,			
Temperature sensor: Tolerance class: Nominal resistance: Temperature coefficient:	other materials available on request platinum resistor PT100 in 2-, 3- and 4-wire technology DIN EN 60751, class B 100 Ohm at 0°C 3850ppm/K			
Inductance of the measuring element: Self-heating: Long-term stability after 1000h at 150°C	0,03 μH 0,4K/mW : R₀-Drift < 0,06 %			
Pressure: Operating temperature:	see design / connection see design / connection BT01: -15°C to 100°C in medium, -20°C to 70°C above mounting BT06: -30°C to 180°C in medium, -20°C to 70°C above mounting (only in connection with stainless steel)			
Protection rating:	BT08: -30°C to 150°C in medium, -20°C to 70°C above mounting (only in connection with stainless steel) higher temperatures on request IP 65			
Comment: For further protection, a thermowell can be used, see additional data sheet THE, select sensor tube 16mm longer than protective tube of thermowell.				



Data sheet Steuer- und Temperature sensor PT100 in 2-, 3-, and 4- wire technology Type: PT100..., PT103..., PT104...

