

ACCESSORIES FOR SENSORS

■ THERMOWELLS

Thermowells are component parts that are usually screwed in or welded in a pipe line. They protect the measuring part of the sensors against the influence of the liquid being measured. Thermowells enable the replacement of the temperature sensors while the technological equipment is in operation.

All of the thermowell types manufactured by SENSIT s.r.o. are made of high-quality stainless steel 1.4301. They are standardly provided with G1/2" thread, but is also possible to deliver them with the G 3/8", M 20 x 1.5, M 27 x 2 threads or even others if necessary.

In addition to the standard lengths listed in catalogues, thermowells can also be manufactured in non-standard lengths. Temperature sensors are locked in the thermowell with a M4 x 10 screw.



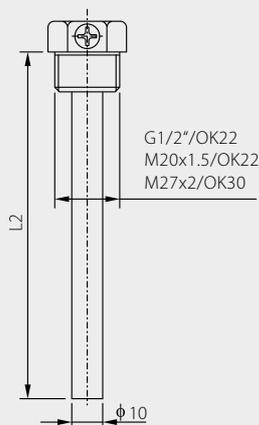
For the temperature range of - 30 to 200 °C satisfies the reservoirs requirements of GR no. 26/2003 coll., as amended, and have been certified as part of pressure equipment for static pressure max. PN 63.

MAXIMUM FLOW SPEED OF THE MEASURED MEDIUM - AIR AND WATER VAPOUR / WATER [M.S⁻¹]

Thermowell length L2 (mm)	Thermowell diametre (mm)				
	up to 60	> 60 to 100	> 100 to 160	> 160 to 220	> 220 to 400
Ø 6 and Ø 8	20 / 2,0	15 / 1,5	8,0 / 1,0	2,5 / 0,6	0,6 / 0,3
Ø 10 and Ø 12	35 / 3,5	30 / 3,0	15 / 2,0	5,0 / 1,2	1,6 / 0,8

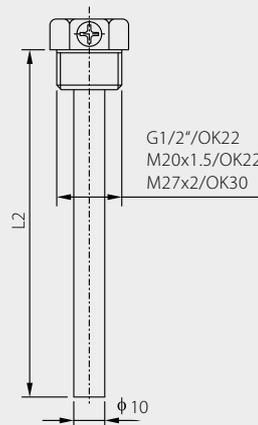
DIMENSIONAL DRAFT

Thermowell JS 130



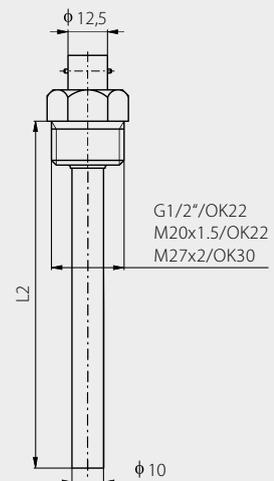
Use: temperature sensors with stem, temperature sensors with metal connection head, PTS 580P, PTS 580K
Standard lengths L2: 50, 100, 160, 220, 280, 340, 400 mm
Max. stem diametre: 6.2 mm

Thermowell JS 130B



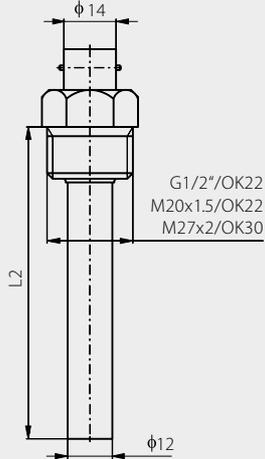
Use: temperature sensors with stem, temperature sensors with metal connection head, PTS 580P, PTS 580K
Standard lengths L2: 50, 100, 160, 220 mm
Max. stem diametre: 6.9 mm

Thermowell JS 130G

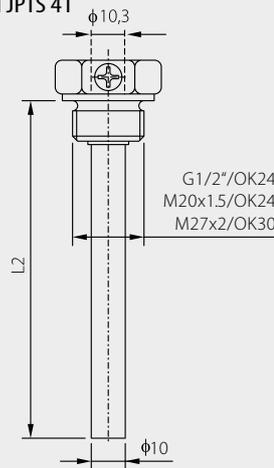


Use: cable temperature sensors with bayonet TG 60, TG 61, TG 62
Standard lengths L2: 50, 100, 160, 220, 280 and 400 mm
Max. stem diametre: 6.2 mm

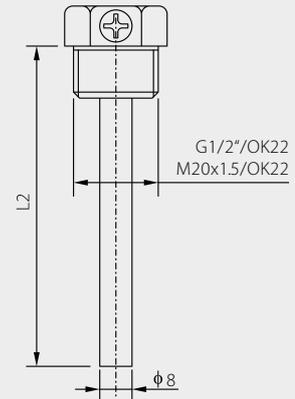
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Thermowell JS 130F


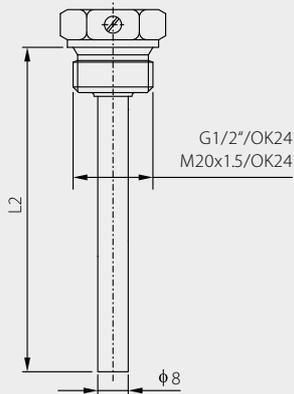
Use: cable temperature sensors with bayonet TG 80, TG 81, TG 82
Standard lengths L2: 50, 100, 160, 220, 280, 400 mm
Max. stem diameter: 8.9 mm

Thermowell JPTS 41


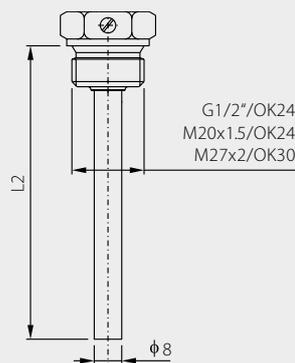
Use: platinum temperature sensors up to 400 °C PTS 41, PTS 43, PTS 45, PTS 51, PTS 81
Standard lengths L2: 50, 100, 160, 220, 280, 400 mm
Max. stem diameter: 6.9 mm

Thermowell JTG 8


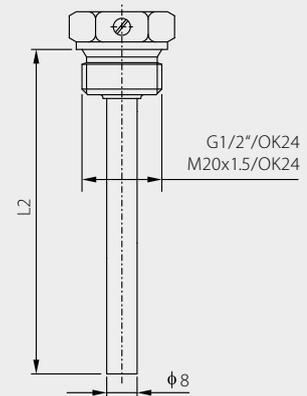
Use: sensing elements in case of TG 8
Standard lengths L2: 40, 60, 80, 100 mm
Max. stem diameter: 5.9 mm
 (part of the sensor has to be fixing ring TG 8)

Thermowell JTP 11


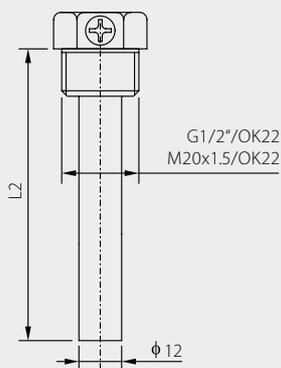
Use: only for paired temperature sensors TP 11
Standard lengths L2: 86, 136, 176 mm
Max. stem diameter: 5.8 mm

Thermowell JTP 15


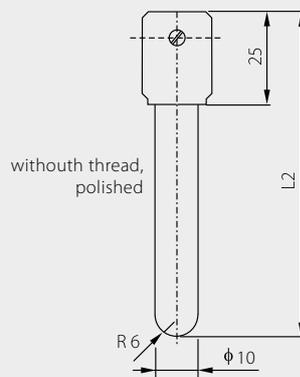
Use: paired temperature sensors TP 15
Standard lengths L2: 65, 105, 140, 230 mm
Max. stem diameter: has to be smaller than 6 mm (tolerance according to standard EN 1434)

Thermowell JTP 16


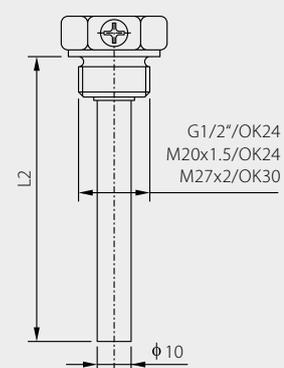
Use: paired temperature sensors TP 16
Standard lengths L2: 105, 140, 230 mm
Max. stem diameter: has to be smaller than 6 mm (tolerance according to standard EN 1434)

Thermowell J 001


Use: for temperature sensors with diameter 8 mm
Standard lengths L2: 65, 105, 165 mm
Max. stem diameter: 8.9 mm

Thermowell J 010


Use: to food-processing industry, e.g. for temperature sensors PTS 580P and PTS 580K
Standard lengths L2: 110, 170, 250 mm
Max. stem diameter: 6.3 mm

Thermowell JPTS 641


Use: platinum temperature sensors up to 600 °C with protection IP 68 PTS 641, PTS 645, PTS 651
Material: stainless steel DIN 1.4571
Standard lengths L2: 50, 100, 160, 220, 280, 400 mm
Max. stem diameter: 6.9 mm

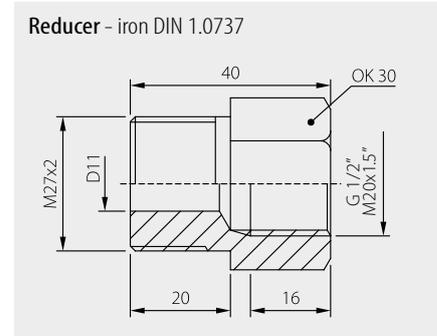
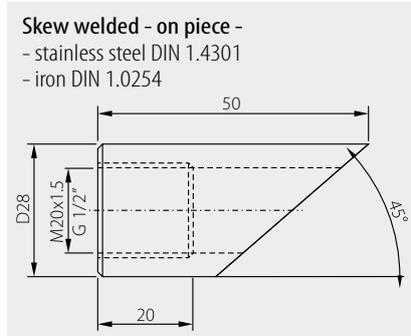
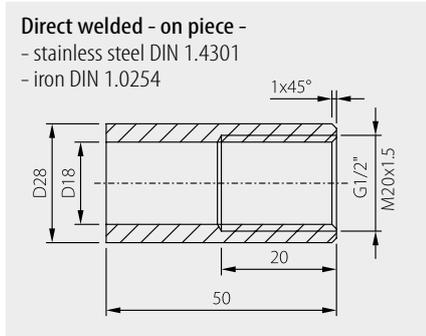
ACCESSORIES FOR SENSORS

WELDED-ON PIECES

Welded-on piece is designed for direct mounting in pipes or for direct measuring by temperature sensor in medium. We standardly produce the welded-on pieces of a material stainless steel DIN 1.4301 or iron DIN 1.0254. Welded-on pieces from material DIN 1.4301 can be used as part of pressure equipment for temperature range -30 °C to 200 °C.

Welded-on pieces from material DIN 1.0254 can't be used as part of pressure equipment.

REDUCERS



HOLDERS

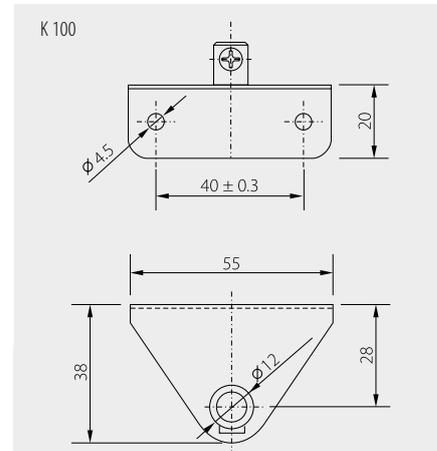
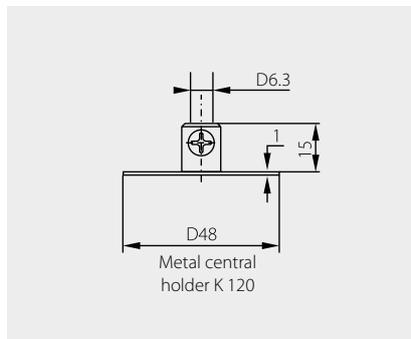
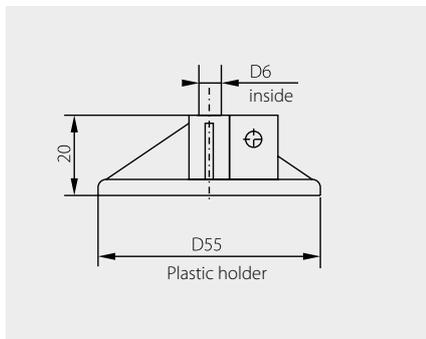
Plastic holder



Metal holder K 120



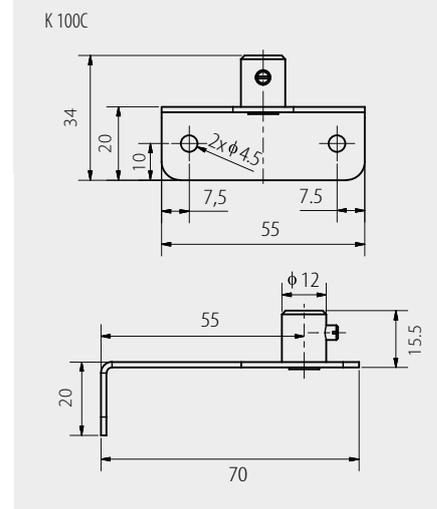
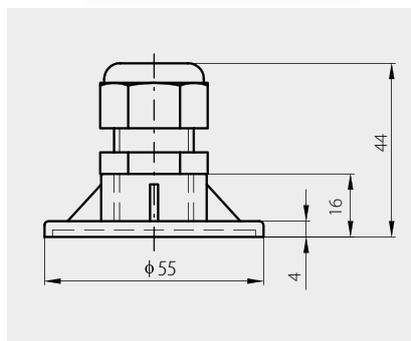
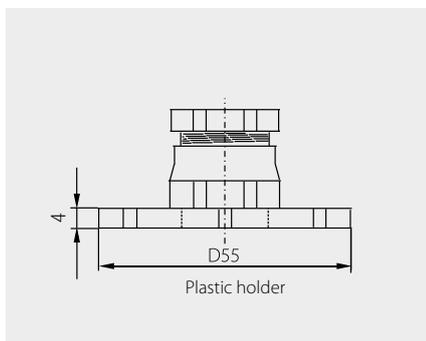
Metal holder K 110, K 110 C



Plastic holder - humidity



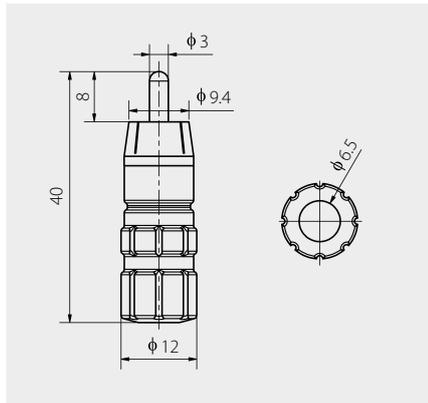
Plastic holder - flow



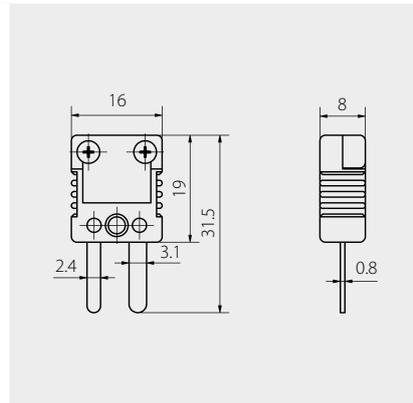
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CONNECTORS

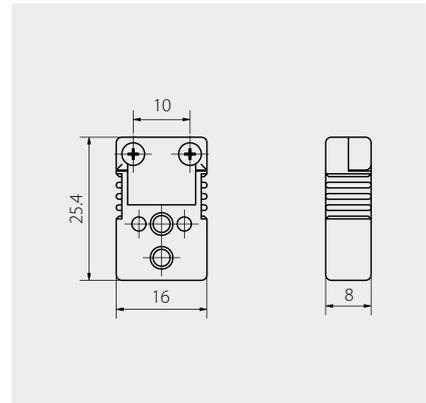
Connector CINCH 261 VK – for cable FEMALE



Thermocouple connector – jack

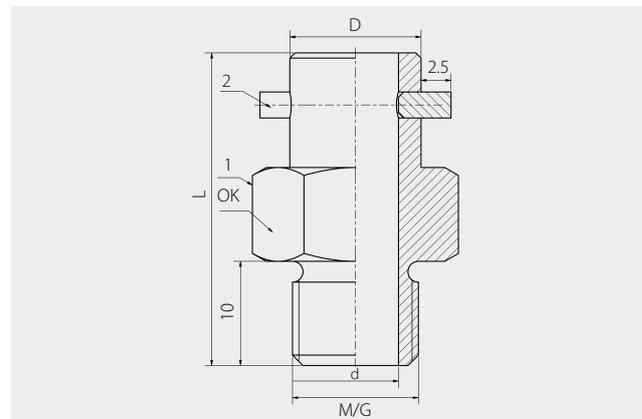


Thermocouple connector – plug


BAYONET ADAPTERS

Bayonet adapter with a nut – BAM

Bayonet adapter - BAM						
OK	Thread M/G	Hole diameter d	Length of adapter L	Diameter of adapter D		
17	M10 x 1	7 mm	25 - 100 mm	12 / 14 mm		
	M12 x 1					
	M12					
	M14 x 1,5					
22	G 1/4	7 / 9 mm	25 - 100 mm	12 / 14 mm		
	G 3/8					
24	G 1/2	7 / 9 mm			25 - 100 mm	12 / 14 mm



Bayonet adapter smooth – BAH

Bayonet adapter - BAH			
Thread M/G	Hole diameter d	Length of adapter L	Diameter of adapter D
M10 x 1	7 mm	25 - 100 mm	12 / 14
M12 x 1			
M12			
M14 x 1,5	7 / 9 mm		
G 1/4			
G 1/2			

