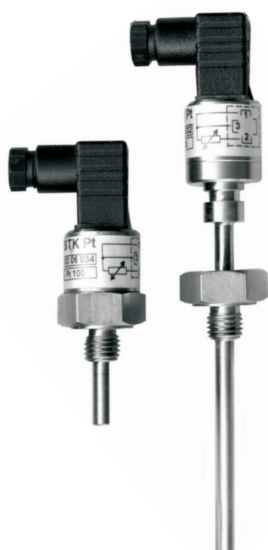


SENSORS/TRANSDUCERS WITH CURRENT OUTPUT

sensor: Pt100, 500, 1000
Cu50, 100; Ni100, 500, 1000
current output 4-20mA
voltage output



DESCRIPTION:

- case stainless steel, connector DIN 43 650
- stainless steel connection 17 248/1.4541
 - transducer-current/voltage
- sensors in wide range of resistances
- design: stem, room, contact, cable

APPLICATION:

- hydraulics
- power engineering
 - heating industry
- petrochemical industry

TECHNICAL PARAMETERS:

- sensors: resistance types - Pt100, Pt500, Pt1000
Cu50, Cu100, Ni100, Ni500, Ni1000
- transducers: current 0-20mA, 4-20mA /
voltage 0-5V, 0-10V
- stem length: 35, 50, 65, 105, 165, 250mm
or on individual request
- connection thread: G1/4 (G1/2, M12x1,5, M20x1,5)
or on individual request
- protection: up to IP 65

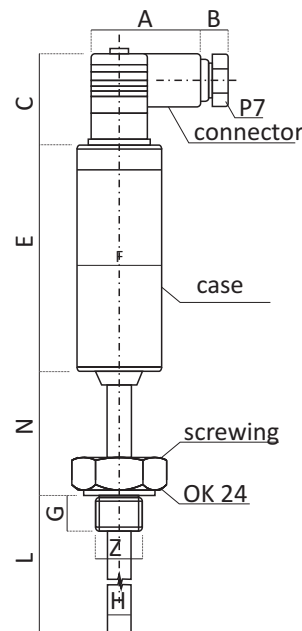
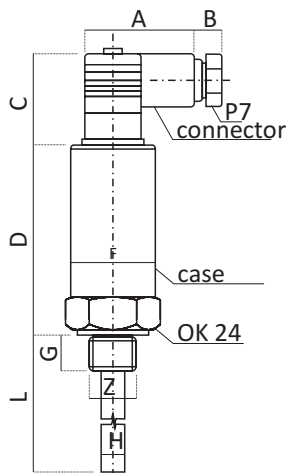
SPECIFICATION:

Electronic sensors/transducers with resistance output are designed for temperature measurement of liquid, gas, loose and solid materials with high accuracy and reliability of measurement. Serves for very fast and accurate temperature measurement even in demanding operations. Sensor itself can be made of Pt, Cu or Ni. They enable immediate transfer of measured temperature in form of analog output, which can be further processed/assessed using suitable device (display/regulatory unit). Thanks to wide range of designs and sensor types they can meet all your requirements. Sensor/transducers are supplied in cable KST, stem with terminal board STSs, contact with terminal board STSp, room PST and outside designs. Sensor/transducers coding is as follows: e.g. stem sensor with resistance output with DIN connector is coded STS, and when equipped with inbuilt transducer for analog output 4-20mA, its code is značí se STS/I.



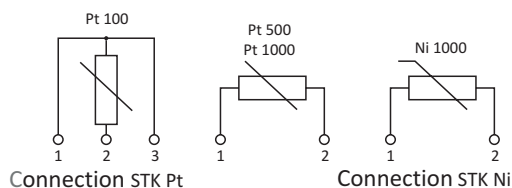
TEMPERATURE SENSOR WITH CONNECTOR- STK Type 02805, 02806

	STKs Pt	STKs Ni	STKs/I
Sensor	Pt100, Pt500, Pt1000	Ni1000	Pt100
Measure range	-40+300°C	-40+150°C	-50°C+400°C in 6 ranges
Accuracy	B according to ČSN EN 60751		± 1% from measure range
Output			4-20mA, pasiv, unipolar
Voltage			10÷36V DC
Time stability	0,05% (10 000h)		
Environment temp.	-25+75°C		
Extension N [mm]	without, 37, 100		
Thread	without thread, G1/4, M12x1,5, G1/2, M20x1,5		
Stem	30, 40, 100, 160, 250		
Electric connection	cable: Ø3÷6mm, conductor: 0,75mm		
Temp. response time	without well - air: 45s, water: 8s; with well - water: 35s		
Max. overpressure	without well: 4MPa/100°C; 3,1MPa/300°C		
Protection	IP 65		

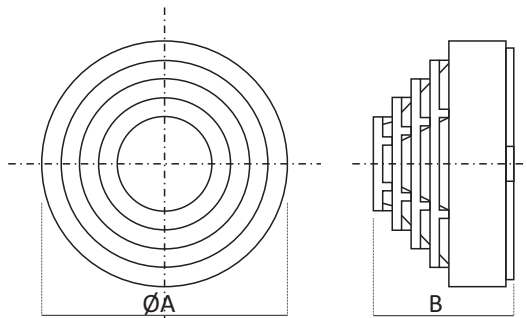


Dimensions in mm										
A	B	C	D	E	F	G	H	L	N	Z
28	~10	26	55	60	Ø 24	10	Ø 6	30-250	37,100	see table

Wiring diagram

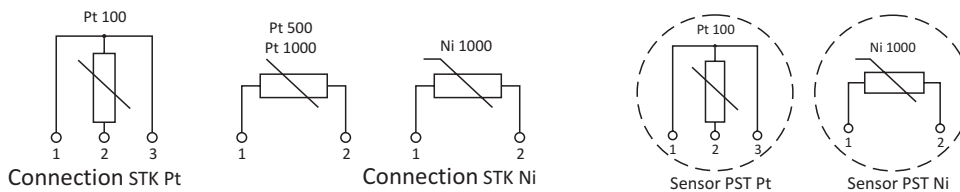


	<h2>ROOM TEMPERATURE SENSOR - PST</h2> <p>Type 02825</p>
	PST
Measure range	-30+60°C
Accuracy	B according to ČSN EN 60751
Measuring current	up to 1mA
Temperature coefficient	5 000, 6 180 ppm/K (Ni)
Sensor	Pt100, Ni1000
Temper. response time	air: 15s
Protection	IP 20



Dimensions in mm	
A	B
65	38

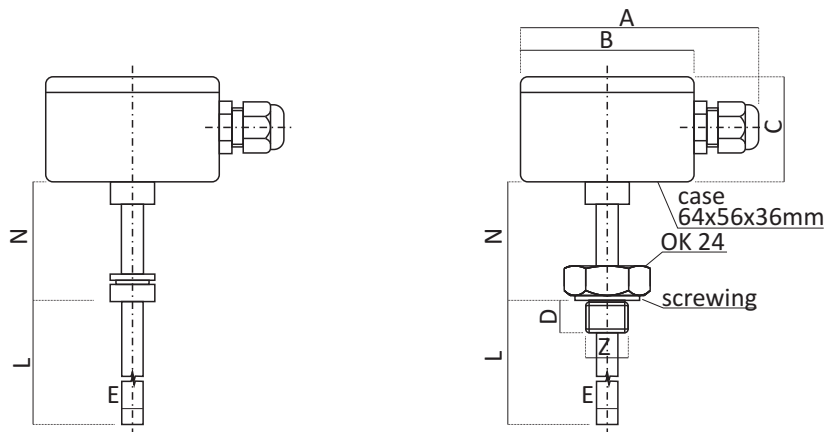
Wiring diagram





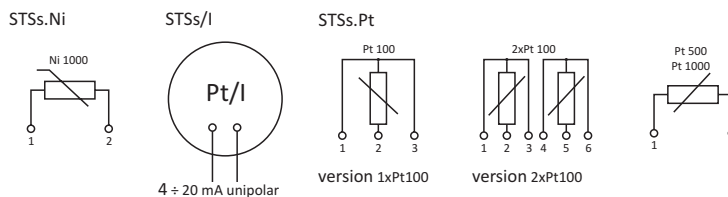
TEMPERATURE SENSOR WITH PLASTIC TERMINAL BOARD - STS Type 02807, 02808

	STSs Pt	STSs Ni	STSs/I
Sensor	1xPt100,2xPt100,Pt500,Pt1000	Ni1000	Pt100
Measure range	-40+200°C	-40+180°C	-40+200°C in 3 ranges
Pccuracy	B according to ČSN EN 60751		1% from measure range
Output			4-20mA, passive, unipolar
Voltage			10÷36V DC
Time stability	0,05% (10 000h)		
Environment temp.	-30+80°C		
Extension N [mm]	37, 100		
Thread	without thread, G1/4, M12x1,5, G1/2, M20x1,5		
Stem	30, 40, 100, 160, 250		
Electric connection	cable: Ø3,5÷8mm, conductor: 0,75mm		
Temp. response time	without well - air: 45s, water: 8s; with a well Je -water: 35s		
Max. overpressure	without well: 4MPa/100°C; 3,1MPa/180°C		
Protection	IP 65		



Dimensions in mm							
A	B	C	D	E	L	N	Z
~87	64	36	10	Ø 6	40,100,160,250	37,100	see table

Wiring diagram

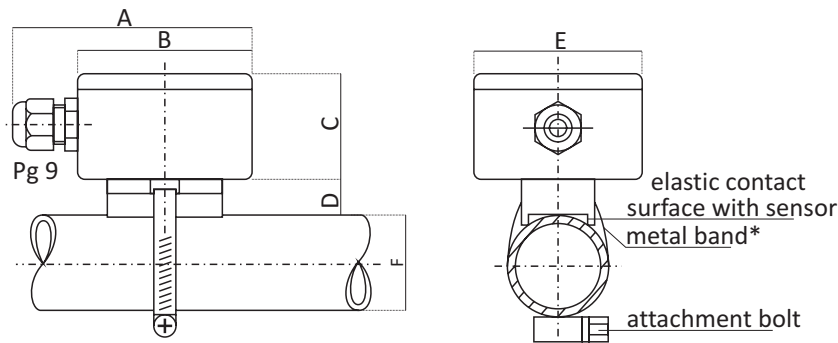




CONTACT SENSOR WITH TERMINAL BOARD - STSp Type 02813, 02814

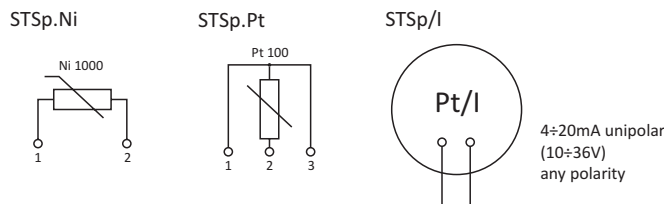
	STSp Pt	STSp Ni	STSp/I
Sensor	Pt100	Ni1000	Pt100
Measure range	-40+200°C	-30+80°C	0+100°C
Accuracy	B according to ČSN EN 60751		1% from measure range
Output			4-20mA, passive, unipolar
Voltage			10÷36V DC
Time stability	0,05% (10 000 h)		
Environment temp.	-30+80°C		
Electric connection	cable: Ø3,5÷8mm; conductor: 0,75mm		
Max. current in the loop	34mA (for sensor break off)		
Protection	IP 65		


Metal band (part of supply) enables attachment to piping of max. diameter 48mm. When using thicker piping it is necessary to use adequately longer band. Minimum piping diameter (28mm) due to ability of the elastic contact surface of the sensor to adapt to the piping shape.



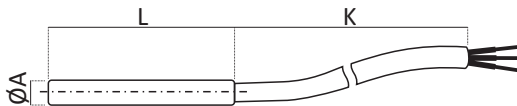
Dimensions in mm					
A	B	C	D	E	F
~87	64	36	~14	58	Ø28÷48

Wiring diagram

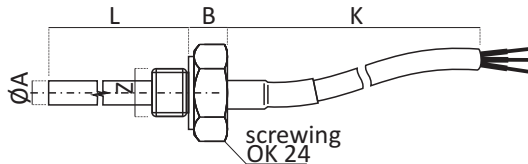


	<h2>CABLE TEMPERATURE SENSOR - KST</h2> <p>Type 05120, 05121, 02827, 02927</p>		
	KST	KSTz	KST.Ex
Sensor	Pt	Ni	Pt 100
Measure range	-40+180°C		-30+170°C
Accuracy	B according to ČSN EN 60751		
Electric connection	silicon cable: Ø4mm, conductor cross-section: 0,34mm		
Temp. response time	without well - air: 45s, water: 8s; with well Je - water: 35s		
Max. overpressure	4MPa/100°C; 3,1MPa/180°C		
Protection	IP 65		

• Cable sensor KST



• Cable sensor KSTz



Dimensions in mm				
A	B	L	K	Z
Ø6	10	30-250	1000-5000	see table

Wiring diagram

