

# TEMPERATURE SENSOR

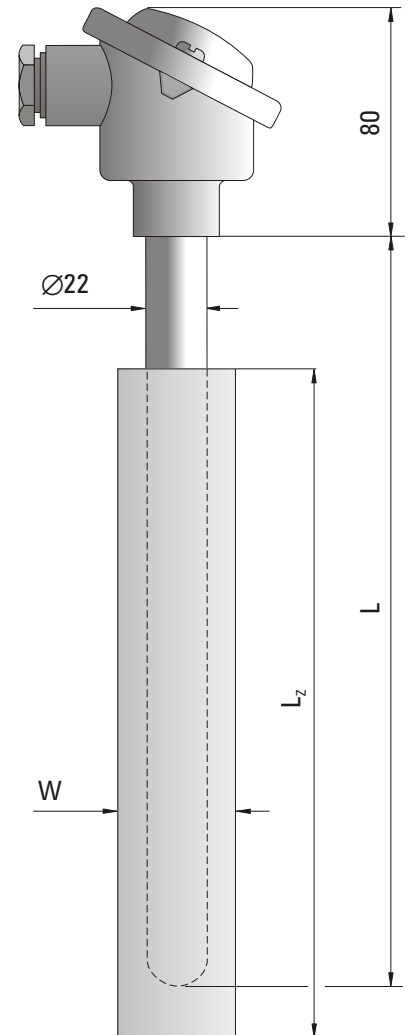
## type 931, 932, 933, 934

### SPECIFICATION

Application	temperature measurement of liquid non-ferrous metals and alloys	
Temperature range	0°C...+600°C	(J)
	0°C...+900°C	(K)
Measuring element	thermocouple Fe-CuNi	(J)
	thermocouple NiCr-NiAl	(K)
Class of thermocouple	2 <sup>(1)</sup>	
Measuring junction	insulated	
Material of ceramic protection tube	<b>silicon carbide</b>	
Connection head type	B or DA <sup>(2)</sup>	
Head operating temperature	-40°C...+100°C	
Additional accessories	temperature transmitter compensation cable	

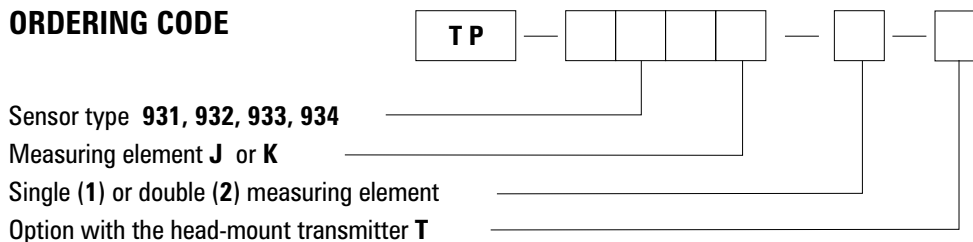
<sup>(1)</sup> Other parameters according to customer requirements

<sup>(2)</sup> Connection head with protection class IP65 or acid resistant on demand



Sensor type	TP-931	TP-932	TP-933	TP-934
Sensor length L(mm) <sup>(1)</sup>	600	800	1000	1200
Immersion length L <sub>2</sub> (mm)	400	600	700	950
Ceramic protection tube shape W	round 45 mm	semi-round 52 mm		semi-round 57 mm

### ORDERING CODE



**Example for order:** TP-931K-1 sensor with single thermocouple NiCr-NiAl (K) in round protection tube of silicon carbide W = 45 mm of length L<sub>2</sub> = 400 mm and length L = 600 mm.  
 TP-931K-1-T; TCH-2160-K sensor with the head-mount transmitter type TCH-2160-K.