

TEMPERATURE SENSOR

type 921, 922, 923, 924, 925

SPECIFICATION

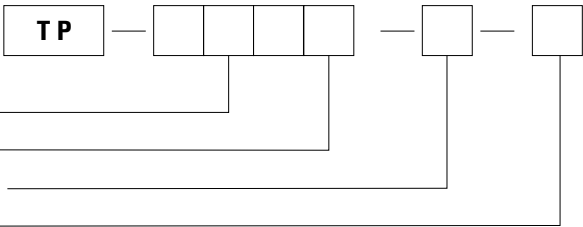
Application	temperature measurement in pressure receptacles and pipelines		
Maximum operating pressure	10 MPa		
Temperature range	-200°C... +550°C	(Pt100)	
	-200°C... +400°C	(T)	
	-200°C... +600°C	(J)	
	-200°C... +900°C	(K)	
Measuring element	platinum resistor	(Pt100)⁽¹⁾	
	thermocouple Cu-NiAl	(T)	
	thermocouple Fe-CuNi	(J)	
	thermocouple NiCr-NiAl	(K)	
Class of processing element	2 (B) ⁽²⁾		
Conductor material	wire Cu/Ni (for Pt100)		
Assembly	2, 3 or 4 wires (for Pt100)		
Measuring junction	insulated ⁽²⁾		
Sheath material Ø6	steel 1.4541		
Pressure sheath material	toughened steel⁽²⁾		
Connection head type	MA or B ⁽³⁾		
Head operating temperature	-40°C... + 100°C		
Additional accessories	temperature transmitter		
	thermowell for welding		
	compensation cable		

⁽¹⁾ Pt500, Pt1000, Ni100, Ni1000 on demand
⁽²⁾ Other parameters according to customer's requirements
⁽³⁾ Connection head with protection class IP65 or acid resistant on demand
⁽⁴⁾ Other threads, sheathes or sheath for welding on demand

Sensor type	TP-921	TP-922	TP-923	TP-924	TP-925
Sheath length L _r (mm) ^{*)}	45	75	100	150	250
Sensor length L (mm) ^{*)}	100	150	200	250	300

ORDERING CODE

Sensor type **921, 922, 923, 924, 925**
Measuring element **Pt100, T, J or K**
Single **(1)** or double **(2)** measuring element
Option with the head-mount transmitter **T**



Example for order: TP-921K-1 sensor with connection head type MA, with single thermocouple NiCr-NiAl (K) of length L = 100 mm and with pressure sheath of length L_r = 45 mm.
TP-921K-1-T; TCH-2140-K sensor with connection head type B with head-mount transmitter type TCH-2140-K.

