

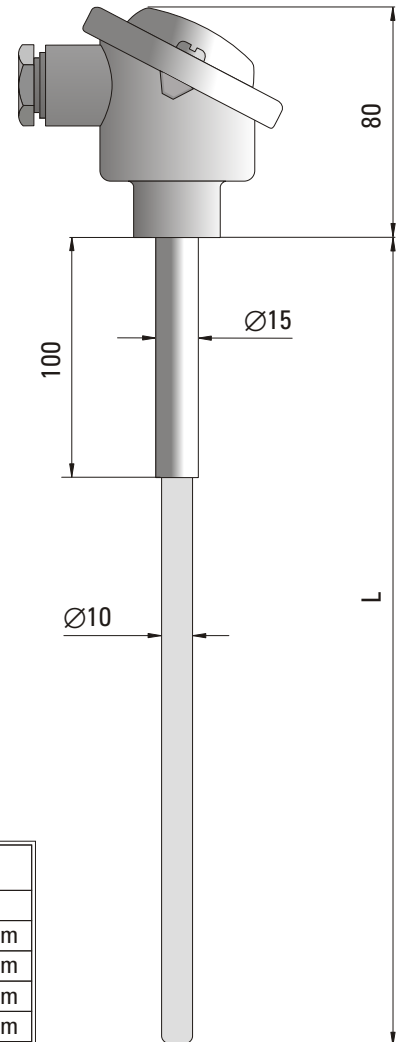
TEMPERATURE SENSOR

type 811, 812, 813, 814, 815

SPECIFICATIONS

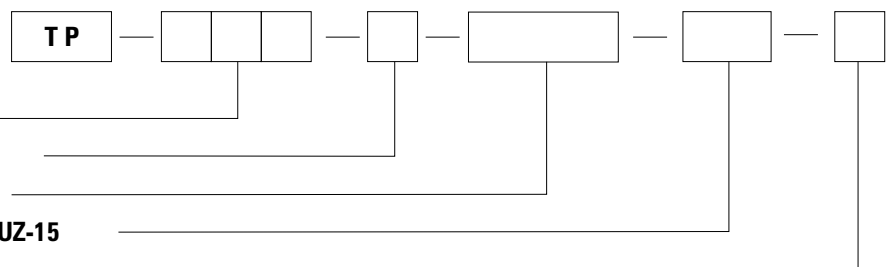
Measuring element	NiCr-NiAl PtRh90/10%-Pt PtRh70/30%-PtRh94/6%	(K) ⁽¹⁾ (S) (B)
Class of thermocouple	2 ⁽²⁾	
Spacer diameter	Ø15 mm	
Ceramic sheath diameter	Ø10 mm	
Sheath material	ceramic C610 (Al ₂ O ₃ 60%) ceramic C799 (Al ₂ O ₃ 99,7%)	
Connection head type	B or NA ⁽³⁾	
Head operating temperature	-40°C... +100°C	
Additional accessories	clamping plate type UZ temperature transmitter compensation cable	

⁽¹⁾ Thermocouple PtRh87/13%-Pt (R) or NiCrSi-NiSi (N) on demand
⁽²⁾ Other parameters according to customer requirements
⁽³⁾ Connection head with protection class IP65 or acid resistant on demand



Sensor type	Sheath material	Max. temperature(°C)	Type of thermocouple
TP-811	ceramic C610	1200	NiCr-NiAl
TP-812	ceramic C610	1300	PtRh90/10%-Pt 0,35 mm
TP-813	ceramic C610	1400	PtRh90/10%-Pt 0,50 mm
TP-814	ceramic C799	1500	PtRh90/10%-Pt 0,50 mm
TP-815	ceramic C799	1600	PtRh70/30%-PtRh94/6% 0,50 mm

ORDERING CODE



Sensor type **811, 812, 813, 814, 815**
 Single (1) or double (2) measuring element
 Sensor length L = **300, 500 or 700 mm**⁽²⁾
 Additional accessories: clamping plate type **UZ-15**
 Option with the head-mount transmitter **T**

Example for order: TP-811-1-500 sensor with thermocouple NiCr-NiAl (K) in ceramic sheath C610 of outer diameter Ø = 10 mm and length L = 500 mm.
 TP-811-1-500-T; TCH-2170-K sensor with the head-mount transmitter type TCH-2170-K.