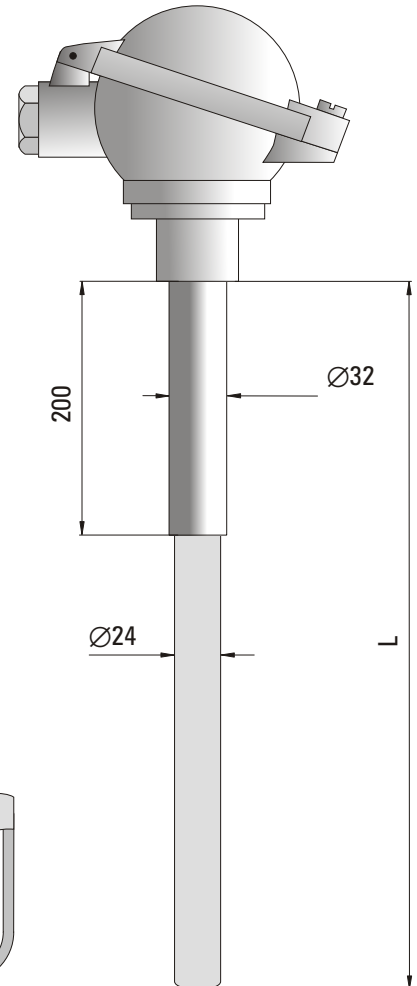


TEMPERATURE SENSOR

type 831, 832, 833

SPECIFICATION

Application	measurement of very high temperatures. Uses a double ceramic protection tube to increase sensor life in difficult industrial conditions.	
Measuring element	PtRh90/10%-Pt	(S) ⁽¹⁾
	PtRh70/30%-PtRh94/6%	(B)
Class of thermocouple	2 ⁽²⁾	
Spacer diameter	Ø 32 mm	
Outer sheath	ceramic C610; Ø 24x2,5 ceramic C799; Ø 24x3,0	
Inner sheath	ceramic C610; Ø 15x2,0 ceramic C799; Ø 15x2,5	
Connection head type	A or DA ⁽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. operating temperature (°C)	Type of thermocouple	
	outer	inner			
TP-831	ceramic C610	ceramic C610	1400	PtRh90/10%-Pt (S)	0,50 mm
TP-832	ceramic C799	ceramic C799	1500	PtRh90/10%-Pt (S)	0,50 mm
TP-833	ceramic C799	ceramic C799	1600	PtRh70/30%-PtRh94/6% (B)	0,50 mm

ORDERING CODE



Sensor type **831, 832, 833**
 Single (1) or double (2) measuring element
 Sensor length L=500, 700, 1000 or 1400 mm⁽²⁾
 Additional accessories: clamping plate type **UZ-32**
 Option with the head-mount transmitter **T**

Example for order: TP-832-1-700 sensor with single thermocouple PtRh90/10%-Pt (S), with outer and inner ceramic sheath type C799 and length L= 700 mm.
 TP-832-1-700-T; TCH-2170-S sensor with the head-mount transmitter type TCH-2170-S.