



TA & TP series - small sized thermocouples with single ceramic sheath

INFORMATIONS

SENSING ELEMENT

Thermocouple type K (Ni-Cr/Ni), N (Ni-Cr-Si/Ni-Si), R, (Pt-13%Rh/Pt), S (Pt-10% Rh/Pt) or B (Pt-30%Rh/Pt-6%Rh)
single or duplex with tolerance class according to IEC 60584 (EN 60584)

TEMPERATURE RANGE

Thermocouple K or N : 0 to 1100 °C
Thermocouple R or S : 0 to 1550 °C
Thermocouple B : 0 to 1700 °C

EXTERNAL SHEATH (EN60672)

KER610 (Pythagoras) up to 1400 °C
C799 (Alsint) up to 1700 °C
Diameter 10 mm
Cemented in stainless steel support tube

SUPPORT TUBE

Stainless steel, diameter 15 mm, length 80 mm
Insertion length: standard 180, 250, 355, 500 mm, any other length on request.

PROCESS CONNECTION

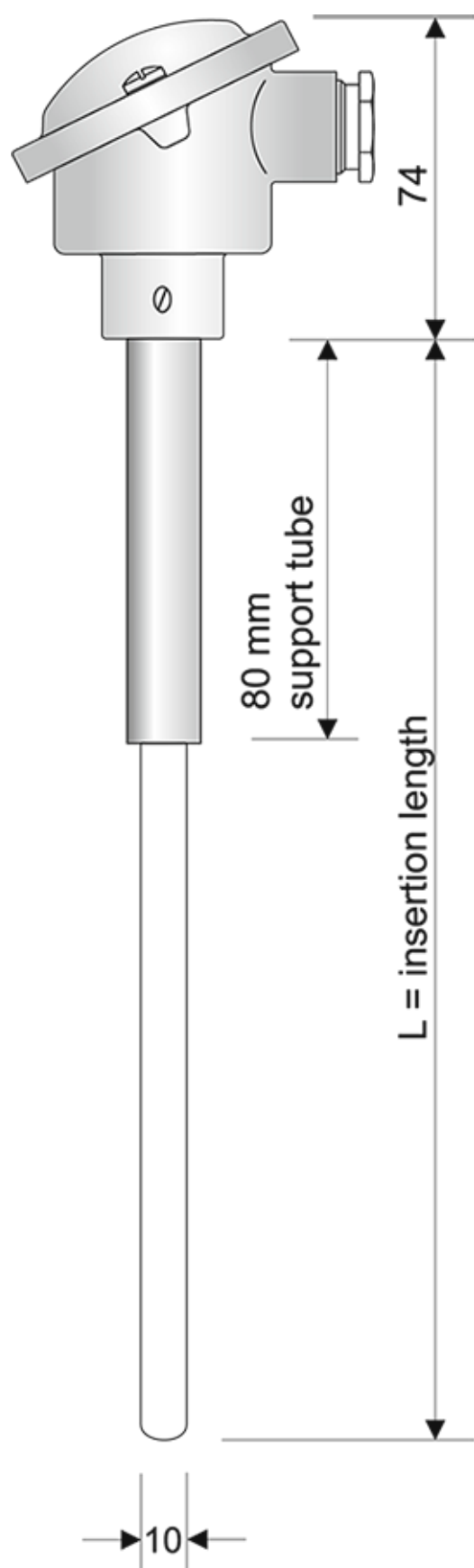
Sliding flange or steel sliding connector or welded process connection (either threaded or flanged)

CONNECTION HEAD

Standard DIN type B head (other types available on request) with M20 cable gland.

APPLICATIONS

Small size high temperature ovens – steel, glass, petrochemical industries, incinerators, calcinations kilns.



Description	Standard	Your requirements

Thermo element		
Manufacturing standard	☐ IEC / EN 60584	
Type	☐ B ☐ K ☐ N ☐ R ☐ S	
Single or double	☐ Single ☐ Double	
Class	☐ Class 1 ☐ Class 2	
Temperature range	☐ 0/1100 °C (type K or N) ☐ 0/1550 °C (type R or S) ☐ 0/1700 °C (type B)	

Immersion zone		
Outer sheath	☐ C610 (Pythagoras) up to 1400 °C ☐ C799 (Alsint) up to 1700 °C	
Support tube	☐ AISI 304 Ø15x80 mm ☐ Other length, please specify	
Nominal length	☐ 180 mm ☐ 250 mm ☐ 355 mm ☐ 500 mm	

Intermediate zone		
Process fitting	☐ Steel sliding flange Ø 15 mm ☐ "Steel sliding flange G ¾"	

Connection head		
Connection head	☐ Standard DIN B (TB 11-6) head IP54	

Connection head		
	 ○ Cast aluminium TB11-12 (BUZ) (IP 68) 	
Cable gland	○ Single (standart) ○ Double	

Identification		
Identification	○ Other, please specify ○ Self-adhesive label (standard)	
Tag	○ Not required (standard) ○ s.s. tag plate with P&ID number ○ Plaque en PVC avec numéro de tag	

Other requirements		
Calibration	○ Not required ○ BELAC calibration required - please specify the temperature calibration points	
Certificates (option)	○ None required ○ Other, please specify ○ Conformity certificate ○ Material certificate according to EN 10204 3.1	
Tests	○ Not required ○ Other, please specify	
Others (option)	○ None ○ Specific requirement - please specify	