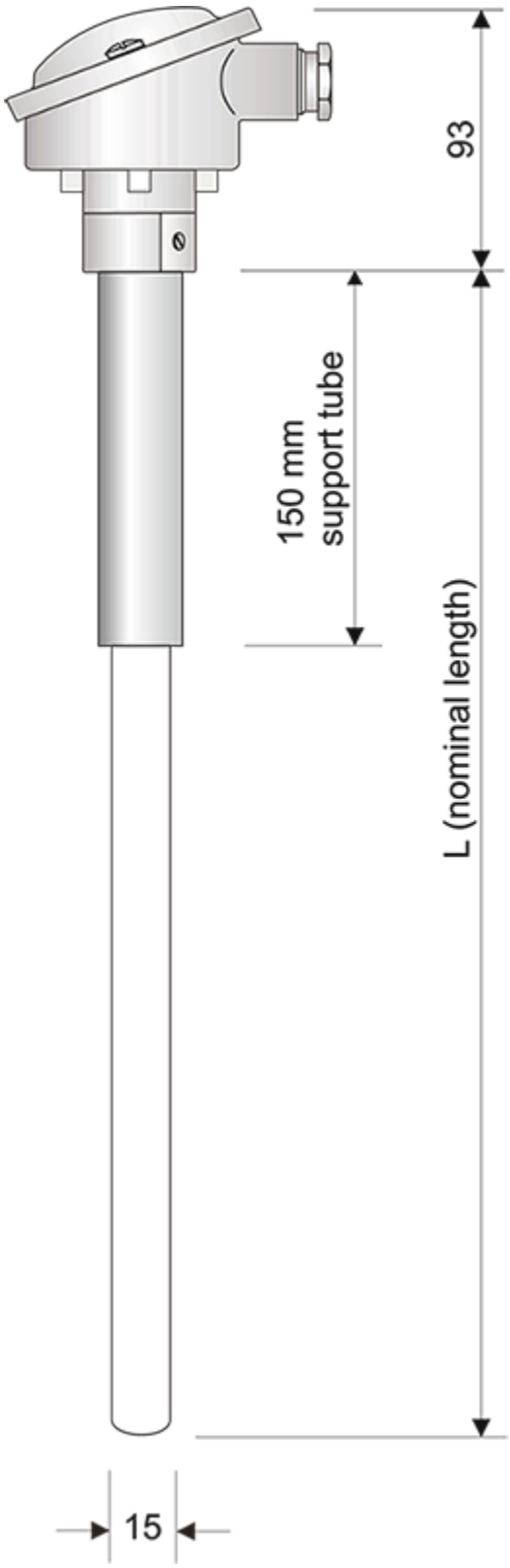
TA & TP series - straight thermocouple with single protective sheath



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 584 (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 15 mm
Cemented in stainless steel support tube

SUPPORT TUBE

“Stainless steel or refractory steel,
diameter 22 mm – length 150 mm
Insertion length: standard 500, 710, 1000, 1400 mm, any other length on request.”

PROCESS CONNECTION

Sliding flange, steel sliding connector or welded process connection (thread or flange)

CONNECTION HEAD

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

APPLICATIONS

High temperature ovens – steel, glass, petrochemical industries, incinerators, calcinations kilns

Description	Standard	Your requirements

Thermo element		
Manufacturing standard	❍ IEC / EN 60584	
Thermocouple	❍ B ❍ K ❍ N ❍ R ❍ S	
Single or double	❍ Single ❍ Double	
Temperature range	❍ 0/1100°C ❍ 0/1550°C ❍ 0/1700°C	

Immersion zone		
Outer sheath	❍ Pythagoras KER610 up to 1400°C ❍ Alsint C799 up to 1700°C	
Length	❍ 500mm ❍ 710mm ❍ 1000mm ❍ 1400mm	
Support tube	❍ AISI 304 Ø22x150mm	

Sliding connection devices (option)