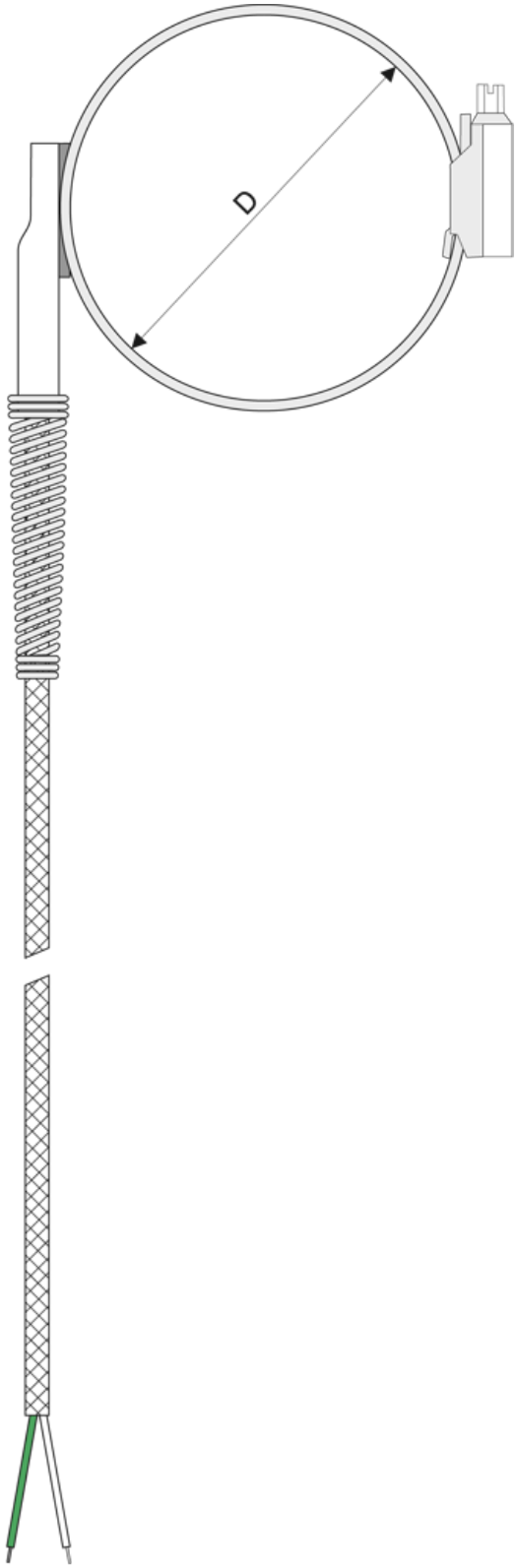
Contact thermocouple for pipes



INFORMATIONS

SENSING ELEMENT

“Thermocouple type K, J or T
Tolerance class 1 according to IEC 584 (EN 60584)”

TEMPERATURE RANGE

-100 to + 400 °C (375 °C for type T)

EXTERNAL SHEATH

“AISI 316L seamless tube Ø 6 mm
Length: standard 40 mm, other lengths on request.
Fixing ring: standard 50 mm diameter
Other pipe diameters on request between 15 and 500 mm”

WIRING

“Glass fibres with s.s. overbraid
2-wire construction
Cable length: 3 meters, other lengths available in option”

REMARKS

“This probe is also available with a Pt100 sensing element instead of a thermocouple.
See further our data sheet «SI-contact_Pt100-pipes».”

APPLICATIONS

Low cost, easy to install pipe temperature monitoring.

Description	Standard	Your requirements

Thermo element		
Manufacturing standard	❍ IEC / EN 60584	
Thermocouple	❍ Single	
Type	❍ K ❍ J ❍ T	
Class	❍ 1 ❍ 2	
Temperature range	❍ 0 / 400°C (0/375°C for type T)	
Number of wires	❍ 2 wires	

Immersion zone		
AISI 316L, length:	❍ 40mm	
Pipe diameter	❍ 50mm ❍ 15 to 500mm	

Connection		
Color code	❍ IEC ❍ ANSI	
Cable fibreglass insulated with s.s. overbraid tc	❍ 3 meters	
Terminaison	❍ Cable lugs ❍ Option: thermocouple mini connector ❍ Option: thermocouple standard connector	

Identification		
Identification	❍ Self-adhesive label (standard)	
Tag	❍ s.s. tag plate with P&ID number ❍ Not required (standard) ❍ PVC tag plate with P&ID number	

Other requirements		
ATEX construction for hazardous areas (option)	❍ ATEX Ex i (intrinsic safety) with certificate	

Other requirements		
	❍ Not ATEX (use in safe areas)	
Calibration	❍ Not required ❍ Calibration required - please specify the temperature calibration points	