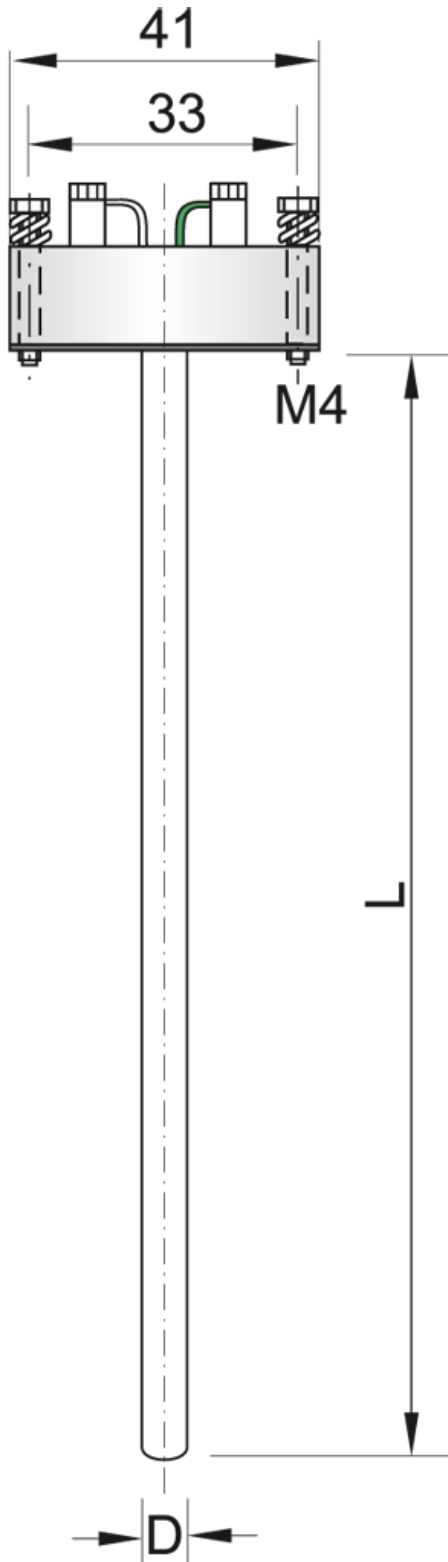


Sheathed thermocouple as replaceable measuring insert



INFORMATIONS

Sensing element

“Thermocouple type K, N, J, T, E
Tolerance class 1 according to IEC 60584 (EN 60584)
Single or duplex”

Temperature range

“-200 to +1150 °C, depending on thermocouple type,
sheath diameter and length”

External sheath

“AISI 316L or Inconel 600 (other material on request) seamless semi-
flexible sheath with mineral oxide filling
Can be manufactured in very long lengths (virtually unlimited)
Totally watertight throughout the length of the insert.”

Diameter

6 mm by default: 3 – 4,5 and 8 mm

Process connection

Standard type «B» ceramic terminal block Ø41 mm with 33mm screw
axis spacing – Spring loaded M4 screws

Wiring

“2-wire (single) or 4-wire (double thermocouple)
Colour code IEC – ANSI available on request
Terminals are labelled + and – in all cases”

APPLICATIONS

Alternative to traditional wire and ceramic beads construction and
allows quick replacement of measuring element.
Superior solution to Pt100 inserts for high temperature or high
vibration environments.

OPTIONS

4-20 mA or 0/10V transmitter (insulated, non-insulated, HART, etc.)
only if connection head or ambient temperature does not exceed 75
°C
Ex Design



Description	Standard	Your requirements

Thermo element		
Manufacturing standard	☐ IEC / EN 60584	
Type	☐ E ☐ T ☐ J ☐ K ☐ N	
Single or double	☐ Single ☐ Double	
Temperature range	☐ Indicate your own temperature range	

Immersion zone		
Length	☐ Please mention the required length	
Diameter	☐ 6 mm (as standard) ☐ 3 mm ☐ 4,5 mm ☐ 8 mm	
Material	☐ Stainless steel 316L ☐ Inconel 600	

Connection		
Sensor terminals tc	☐ No terminal block but free wires for transmitter mounting ☐ Ceramic terminal block size B with screw-on contacts	
Color code	☐ ANSI ☐ IEC (as standard)	
Built-in transmitter (option)	☐ With HART communication protocol ☐ Galvanically insulated ☐ Uninsulated ☐ Not required (standard)	

Identification		



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

Other requirements		
ATEX construction for hazardous areas (option)	☐ ATEX Ex i (intrinsic safety) with certificate ☐ Not ATEX (use in safe areas)	
Calibration	☐ Calibration required - please specify the temperature calibration points ☐ Not required (as standard)	
Certificates (option)	☐ Other, please specify ☐ Conformity certificate None required	
Others (option)	☐ Please specify:	