

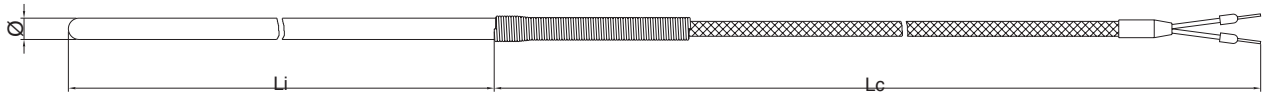


### Main characteristics

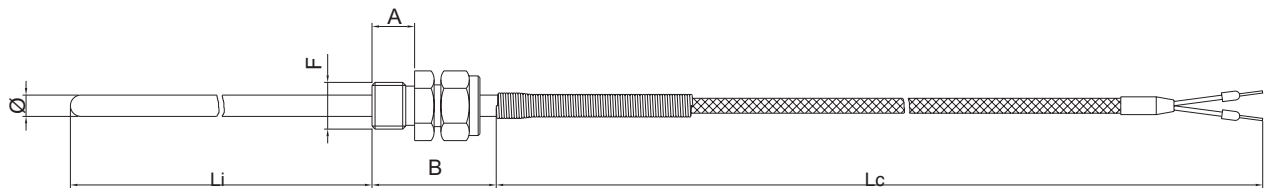
- Max. temperature limit: - 40 ... + 250° C (see table for thermocouple cable used)
- Reference tolerances: Standards IEC 584.2 class 2: for type J, K:  $\pm 2.5^{\circ} \text{C}$  (- 40 ... + 333° C)
- Cable to DIN standard
- Highly versatile
- Low cost

### MODELS

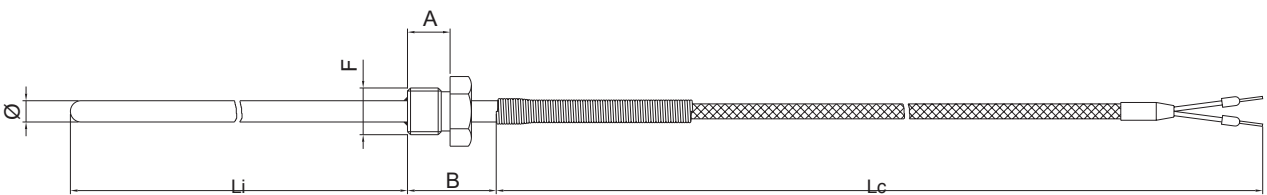
TC1 A: without mount



TC1 B: with sliding mount



TC1 C: with welded mount



# ORDER CODE

**T C 1** **0 0 0** **X**

**CODE**

<b>Model</b>	
Without mount	<b>A</b>
With sliding compression mount	<b>B</b>
With welded mount	<b>C</b>
<b>Element + heat junction</b>	
Isolated single	<b>1</b>
Grounded single	<b>2</b>
Isolated double	<b>3</b>
Grounded double	<b>4</b>
<b>Element type</b>	
Fe - Cu/Ni	<b>J</b>
Ni/Cr - Ni/Al	<b>K</b>
<b>Cable (to DIN standard)</b>	
GSC	<b>2*</b>
Shielded GSC	<b>3**</b>
TTS	<b>5</b>
TES	<b>6</b>

(\*) Not available with 3mm sheathing  
(\*\*) Not available with 3, 4, 5mm sheathing /  
Not available with dual element

<b>Sheathing material</b>	
Stainless steel	<b>A</b>
<b>Sheathing diameter (mm)</b>	
3	<b>E*</b>
4	<b>F*</b>
5	<b>H</b>
6	<b>I</b>
8	<b>J</b>

(\*)Not available with double element

<b>Mount threading (F)</b>	
G 1/8	<b>A</b>
G 1/4	<b>B</b>
G 3/8	<b>C</b>
G 1/2	<b>D</b>
1/8 NPT	<b>G</b>
1/4 NPT	<b>H</b>
3/8 NPT	<b>I</b>
1/2 NPT	<b>J</b>

To be specified only for models B and C

<b>Mount material</b>	
Nickel-plated brass	<b>1</b>
AISI 303	<b>2</b>

To be specified for model B  
Always specify for model C (2)

**Certificates**

**A** Certificate of conformity

**LENGTHS AND ACCESSORIES**

**Li = Immersion length (mm)**  
Standard length from 50 to 1000mm with 50mm pitch

**Armature**

**G\*** Stainless steel sheathing

\* Not available with shielded GSC cable  
Not available with Mignon connector cable

**Connector type**

<b>A</b>	Standard male
<b>B</b>	Standard male + female
<b>C</b>	Standard male + panel
<b>D</b>	Mignon male
<b>E</b>	Mignon male + female

**Lc = Cable length (dm)**  
Standard length from 5 to 100dm with 5dm pitch

**CONNECTOR TYPE**

The diagrams illustrate five connector types: A (standard male), B (standard male + female), C (standard male + panel), D (Mignon male), and E (Mignon male + female). Each diagram shows the cable sheathing, the connector body, and the terminal pins.

MOUNT (F)	TC1B		TC1C	
	A (mm)	B (mm)	A (mm)	B (mm)
G 1/8	10	35	10	20
G 1/4	12	35	12	25
G 3/8	15	40	15	30
G 1/2	15	40	15	30
1/8 NPT	11	35	11	25
1/4 NPT	16	40	16	30
3/8 NPT	16	40	16	30
1/2 NPT	20	45	20	35

	Availability of Mount/Sheathing diameter				
	ø3	ø4	ø5	ø6	ø8
G 1/8	x	x	x	x	-
G 1/4	x	x	x	x	x
G 3/8	x	x	x	x	x
G 1/2	-	-	x	x	x
1/8 NPT	x	x	x	x	-
1/4 NPT	x	x	x	x	x
3/8 NPT	x	x	x	x	x
1/2 NPT	-	-	x	x	x

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