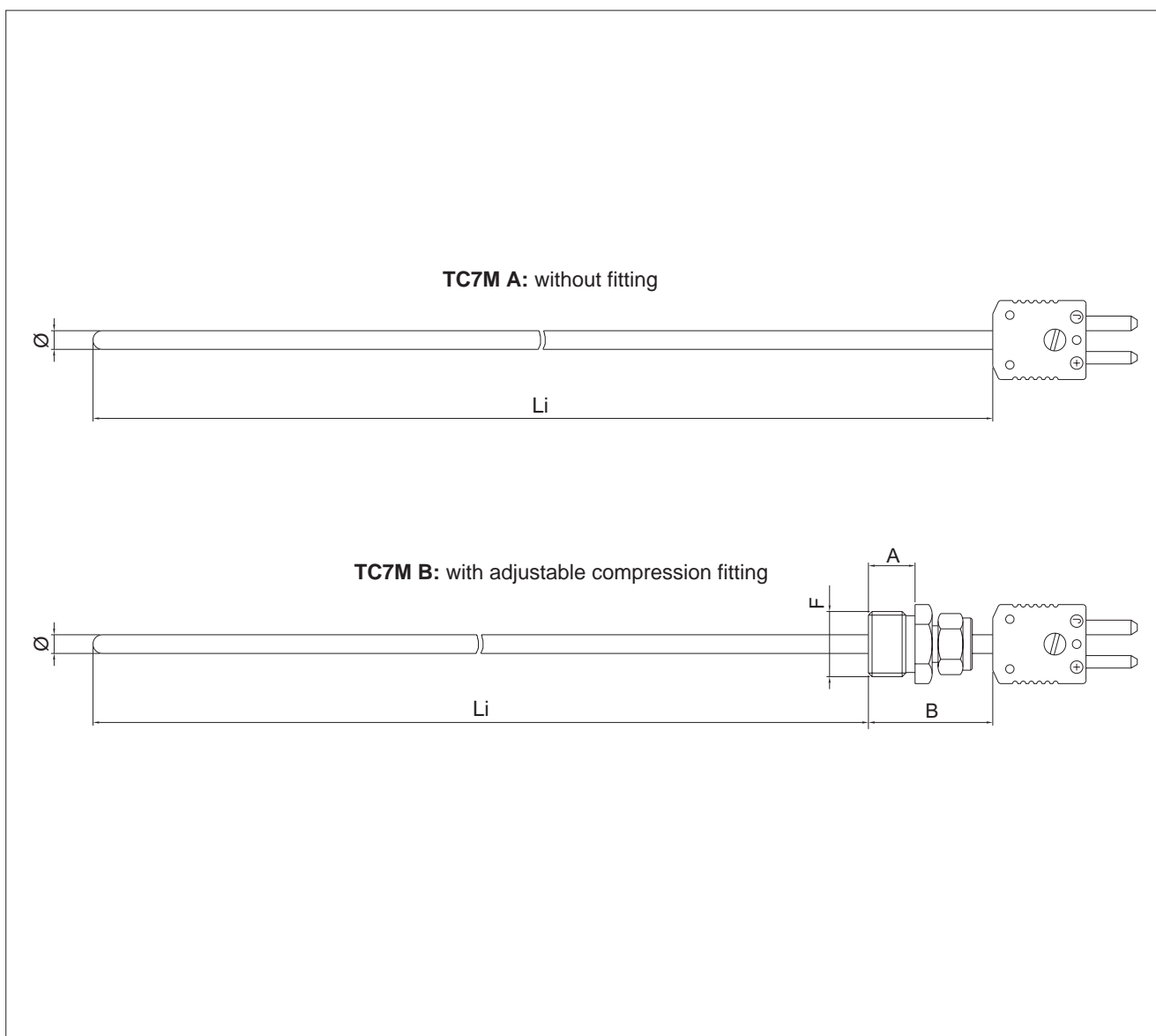




### Main features

- **Temperature limits:**
  - 40 ... + 310° C for type T
  - 40 ... + 550° C for type J
  - 40 ... + 600° C for type E
  - 40 ... + 1050° C for type K
- (see table for sheath diameters)
- **Tolerance (IEC standard 584.2/Class 1):**
  - for type T:  $\pm 0,5^{\circ} \text{C}$  (- 40 ... + 125° C)
  - $\pm 0.004 [t]$  (t > + 125° C)
  - for type J, E, K:  $\pm 1.5^{\circ} \text{C}$  (- 40 ... + 375° C)
  - $\pm 0.004 [t]$  (t > + 375° C)
- **Mineral insulated (MgO) thermocouple element and continuous metal sheath**
- **Application versatility**

### MODELS



# ORDER CODE

**CODE**    T C 7 M    0    0    0    0    0    0    0    0

Model	
Without fitting	A
With adjustable compression fitting	B

Element + Hot Junction	
Single Insulated	1
Single Grounded	2
Double Insulated	3
Double Grounded	4

Thermocouple Type	
Fe - Cu/Ni	J
Ni/Cr - Ni/Al	K
Cu - Cu/Ni	T*
Ni/Cr - Cu/Ni	E

(\*) Single element only available

Sheath Material	
AISI 316	C *
INCONEL 600	F **

(\*) Available for T, J, E models only  
(\*\*) Available for K model only

Sheath Diameter (mm)	
1	B *
1.5	C *
2	D *
3	E
4.5	G
6	I
8	J **

(\*) Single element only available  
(\*\*) Available for J and K model only

Connection Thread *	
1/8" GAS    "A"= 10mm	A
1/4" GAS    "A"= 12mm	B
3/8" GAS    "A"= 15mm	C
1/2" GAS    "A"= 15mm	D
1/8" NPT	G
1/4" NPT	H
3/8" NPT	I
1/2" NPT	J

(\*) To be shown for B model only

Connection Material *	
Nickel-Plated Brass	1
300 Series Stainless Steel	2

(\*) To be shown for B model only

Certificates	
A	Conformity Report
R	Calibration Report
T	SIT Certificate

**LENGTHS AND ACCESSORIES**

Li = Immersion Length (mm)	
Standard length from 100 to 2000mm with 100mm step and from 2000 to 10000mm with 500mm step	

Type connector	
A	Standard male
B	Standard male + female
*	Mignon male
* E	Mignon male + female

(\*) Available with 2mm max. sheath ø

Mechanical Dimensions of Mount (F)		
MOUNT (F)	A (mm)	B (mm)
G 1/8	10	35
G 1/4	12	35
G 3/8	15	40
G 1/2	15	40
1/8 NPT	11	35
1/4 NPT	16	40
3/8 NPT	16	40
1/2 NPT	20	45

Availability of Mounts /Sheathing Diameter								
Mount (F)	ø1	ø1,5	ø2	ø3	ø4,5	ø5	ø6	ø8
G 1/8	x	x	x	x	x	x	x	-
G 1/4	-	-	x	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	x	x	x	-
1/4 NPT	-	-	x	x	x	x	x	x
3/8 NPT	-	-	-	x	x	x	x	x
1/2 NPT	-	-	-	-	-	x	x	x

GEFRAN spa reserves the right to make any kind of design or functional modification at any moment without prior notice



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