

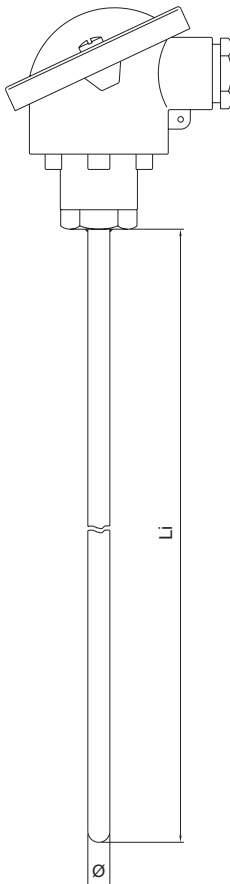


Main features

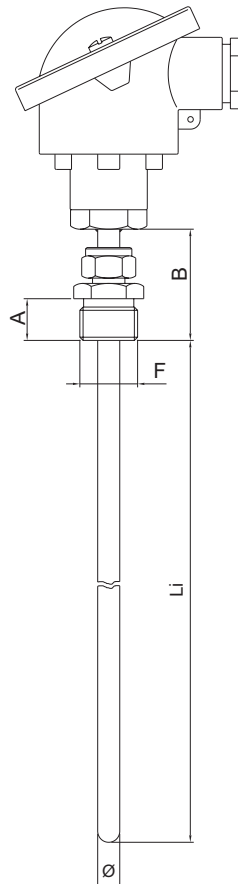
- **Temperature limits:**
 - 40 ... + 350° C for type T
 - 40 ... + 750° C for type J
 - 40 ... + 900° C for type E
 - 40 ... + 1000° C for type K
- (see table for sheath diameters)
- **Tolerance:**
 - IEC standard 584.2/Class 1:
 - for type T: $\pm 0,5^{\circ} \text{ C}$ (- 40 ... + 125° C)
 - $\pm 0.004 [t]$ ($t > + 125^{\circ} \text{ C}$)
 - for type J, E, K: $\pm 1.5^{\circ} \text{ C}$ (- 40 ... + 375° C)
 - $\pm 0.004 [t]$ ($t > + 375^{\circ} \text{ C}$)
- **Mineral insulated (MgO) thermocouple element and continuous metal sheath**
- **Application versatility**

MODELS

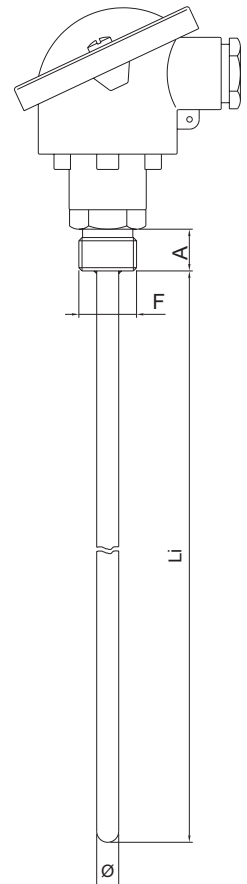
TC6M A
without fitting



TC6M B
with adjustable
compression fitting



TC6M D
with welded fitting
under the head



ORDER CODE

CODE

T C 6 M 0 0 0 0 X 0 0 0 X

Model

Without fitting	A
With adjustable compression fitting	B
With welded fitting under the head	D

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

(*) For single element only

Connection Head

Mignon	A *
DIN J	B
DIN B	C
DIN BUS	E
EEX d IIC 2GD	F
CEAA	H

(*) For single element only

Sheath Material

AISI 316	C *
INCONEL 600	F **

(*) Available for T, J, E models only

(**) Available for K model only

Sheath Diameter (mm)

2	D *
3	E
4,5	G
6	I
8	J

(*) For single element 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, D models only

Connection Material *

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

(*) To be shown for B, D models only

(**) Available for TC6MB model only

Certificates

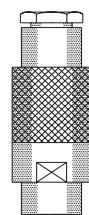
A	Conformity Report
R	Calibration Report
T	SIT Calibr. Report / Certificate

LENGTHS AND ACCESSORIES

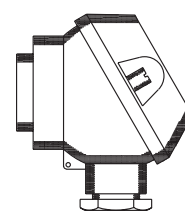
Li = Immersion Length (mm)

Standard length from 100 to 2000mm with 100mm step and from 2000 to 10000mm with 500mm step

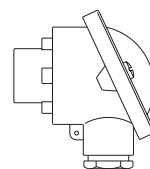
A



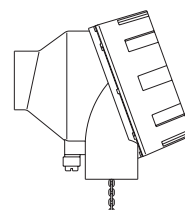
B



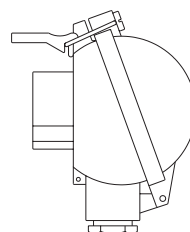
C



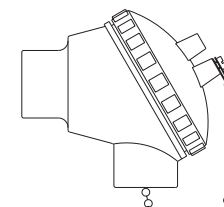
F



E



H



	Mod. B		Mod. D
MOUNT (F)	A (mm)	B (mm)	A (mm)
G 1/8	10	35	10
G 1/4	12	35	12
G 3/8	15	40	15
G 1/2	15	40	15
1/8 NPT	11	35	11
1/4 NPT	16	40	16
3/8 NPT	16	40	16
1/2 NPT	20	45	20

Availability of Mounts /Sheathing Diameter

MOUNT(F)	ø2	ø3	ø4,5	ø6	ø8
G 1/8	x	x	x	x	-
G 1/4	-	x	x	x	x
G 3/8	-	-	x	x	x
G 1/2	-	-	x	x	x
1/8 NPT	x	x	x	x	-
1/4 NPT	-	x	x	x	x
3/8 NPT	-	-	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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