



Main characteristics

- Max. temperature limit:
 - 40 ... + 310° C for type T
 - 40 ... + 550° C for type J
 - 40 ... + 1050° C for type K
 (see table for sheathing diameter used)
- Reference tolerances:

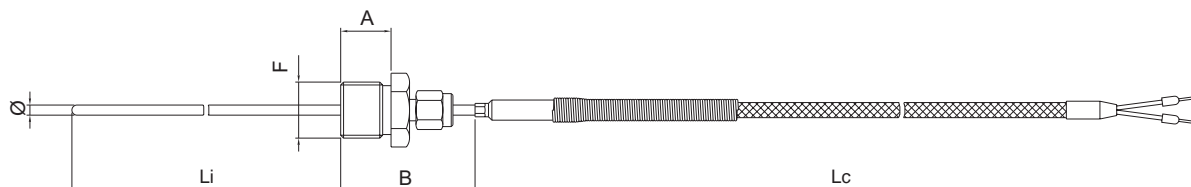
Standards IEC 584.2 class 2:		
for type T:	$\pm 1^{\circ} \text{C}$	(- 40 ... + 133° C)
	$\pm 0.0075 [t]$	(t > + 133° C)
for type J, K:	$\pm 2.5^{\circ} \text{C}$	(- 40 ... + 333° C)
	$\pm 0.0075 [t]$	(t > + 333° C)
- Thermoelement with compact isolation and continuous metal sheathing (MgO isolation)
- Cable to DIN standard
- Highly versatile

MODELS

TC1M A: without mount



TC1M B: with sliding mount

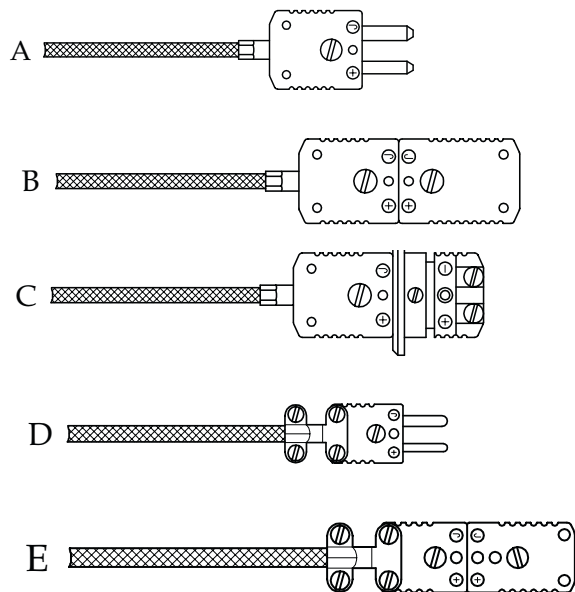


ORDER CODE

CODE
Model
 Without mount A
 With sliding compression mount B
Element + heat junction
 Isolated single 1
 Grounded single 2
 Isolated double 3
 Grounded double 4
Element type
 Fe - Cu/Ni J
 Ni/Cr - Ni/Al K
 Cu - Cu/Ni T*
 (*) Not available with double element
Cable (to DIN standard)
 GSC 2
 GSC shielded 3
 TTS 5
 TES 6
Sheathing material
 AISI 316 C*
 INCONEL 600 F**
 (*) Available only with elements J and T
 (**) Available only with element K
Sheathing Diameter (mm)
 1 B*
 1.5 C*
 2 D*
 3 E
 4.5 G
 6 I
 8 J
 (*) Not available with double element
Mount threading (F)
 G 1/8 A
 G 1/4 B
 G 3/8 C
 G 1/2 D
 1/8 NPT G
 1/4 NPT H
 3/8 NPT I
 1/2 NPT J
 To be specified only for model B
Mount material
 Nickel-plated brass 1
 AISI 303 2
 To be specified only for model B

Certificates
 A Certificate of conformity
 R Calibration Report
 T SIT Certified
LENGTHS AND ACCESSORIES
Li = Immersion length (mm)
 Standard length from 50 to 2000mm with 50mm pitch
 from 2000 to 10000mm with 500mm pitch
Armature
 G* Stainless steel sheathing
 * Not available with GSC/SCH cable. Not available with Mignon connector
Connector type
 A Standard male
 B Standard male + female
 C Standard male + panel
 D Mignon male
 E Mignon male + female
Lc = Cable length (dm)
 Standard length from 5 to 100dm with 5dm pitch

CONNECTOR TYPE



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								
	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 aesthetic or functional changes at any time and without notice

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