

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:

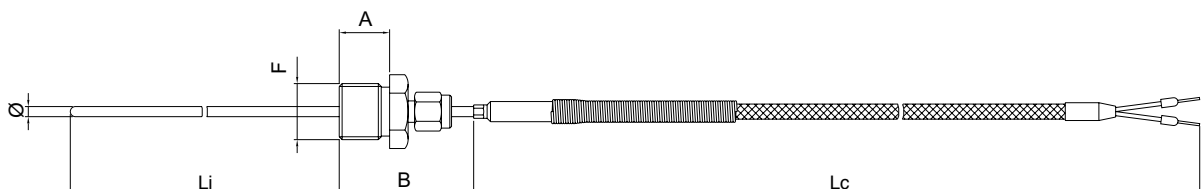
Standards IEC 584.2 class 2:		
for type T:	$\pm 1^{\circ} C$	(- 40 ... + 133° C)
	$\pm 0.0075 [t]$	(t > + 133° C)
for type J, K:	$\pm 2.5^{\circ} C$	(- 40 ... + 333° C)
	$\pm 0.0075 [t]$	(t > + 333° C)
- Thermoelement with compact isolation and continuous metal sheathing (MgO isolation)
- Cable to DIN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

MODELS

TC1M A: without mount



TC1M B: with sliding mount



ORDER CODE

T C I M

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

(* Not available with double element

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

0 0 0 X

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

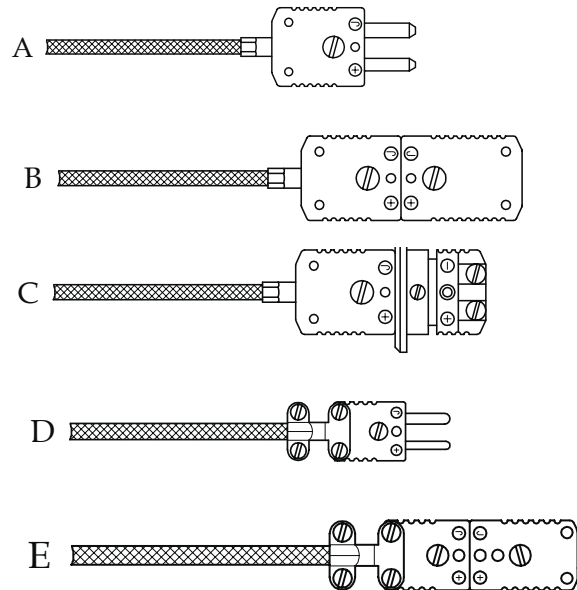
Armature	
G*	Stainless steel sheathing

* 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

GEFRAN spa
via Sebina, 74
25050 PROVAGLIO D'ISEO (BS) - ITALIA
ph. 0309888.1 - fax. 0309839063
Internet: <http://www.gefran.com>
www.gefranonline.com

GEFRAN

DTS_TC1M_07-2013_ENG