GEFRAN

AC6

Thermocouples for use in a wide range of industrial applications



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:*

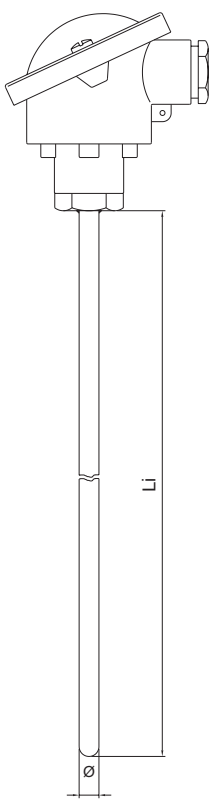
Norme IEC 584.2 class 2:

for type T:	*± 1° C*	*(- 40 ... + 133° C)*
	± 0.0075 [t]	*(t > + 133° C)*
for type J, E, K:	*± 2.5° C*	*(- 40 ... + 333° C)*
	± 0.0075 [t]	*(t > + 333° C)*

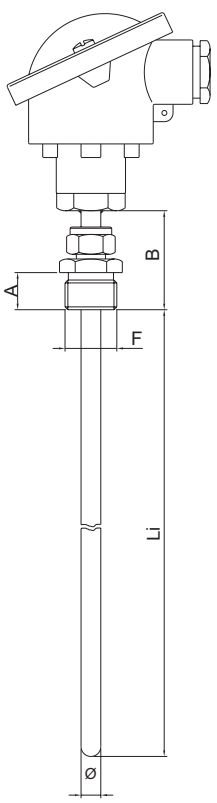
- *Ceramic insulation of the thermocouple element*
- *Application versatility*

MODELS

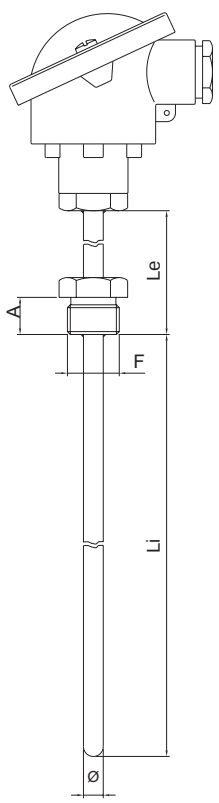
AC6 A
without fitting



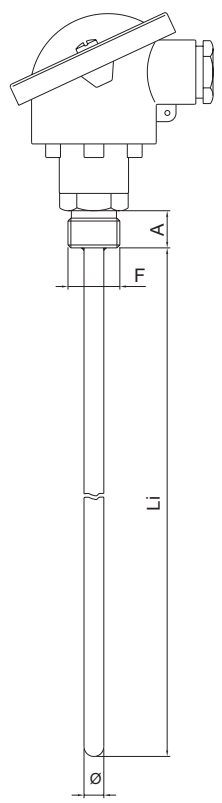
AC6 B
with adjustable compression fitting



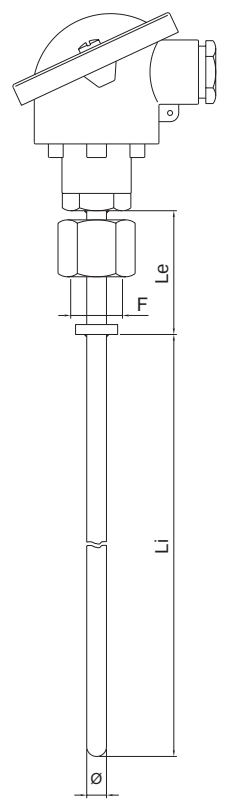
AC6 C
with welded fitting



AC6 D
with welded fitting under the head



AC6 E
with female fitting and welded ring



ORDER CODE

A	C	6									0	0	0	0	X				X						A	

CODE

Model	
Without fitting	A
With adjustable compression fitting	B
With welded fitting	C
With welded fitting under the head	D
With female fitting and welded ring	E *

(*) Available just with: 1/2" GAS thread

Element + Hot Junction	
Single Insulated	1
Single Grounded	2

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

Connection Head	
DIN B	C
DIN BUS	E
EEX d IIC 2GD	F
CEAA	H

(*) Not available for double element

Sheath Material	
AISI 304	A
AISI 310	B
AISI 316	C
INCONEL 600	F

Sheath Diameter (mm)	
5	H
6	I
8	J
10	K
12	L

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, C, D, E models only

Connection Material *	
Nickel-Plated Brass	1 **
Inox serie 300	2

(*) To be shown for B, C, D, E models only
(**) Available for AC6B model only

Certificates	
A	Conformity Report
R	Calibration Report
T	SIT Certificate

LENGTHS AND ACCESSORIES

Type of Transmitter	
A	4 ÷ 20mA

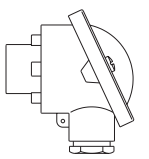
Li = Immersion Length (mm)
Standard Length from 50 to 1000mm with 50mm step

Le = Extension Length (mm) *
Standard Length from 35 to 200mm with 10mm step

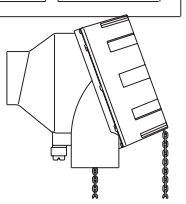
(*) To be shown for AC6C and AC6E models

Temperature range in which the calibration has to be made	
T. min	T. max
°C	°C
4mA	20mA

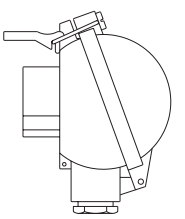
C



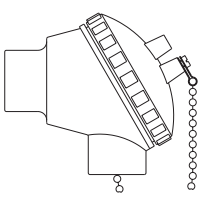
F



E



H



Availability of Mounts /Sheathing Diameter					
MOUNT(F)	ø5	ø6	ø8	ø10	ø12
G 1/8	x	x	-	-	-
G 1/4	x	x	x	-	-
G 3/8	x	x	x	x	-
G 1/2	x	x	x	x	x
1/8 NPT	x	x	-	-	-
1/4 NPT	x	x	x	-	-
3/8 NPT	x	x	x	x	-
1/2 NPT	x	x	x	x	x

	Mod. B		Mod. C and 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

Sensors amplifiers are manufactured in compliance with:
- EMC 2004/108/CE compatibility directive
- RoHS 2002/95/CE directive

Electrical installation requirements and Conformity certificate are available on our web site: www.gefran.com

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

GEFRAN

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