



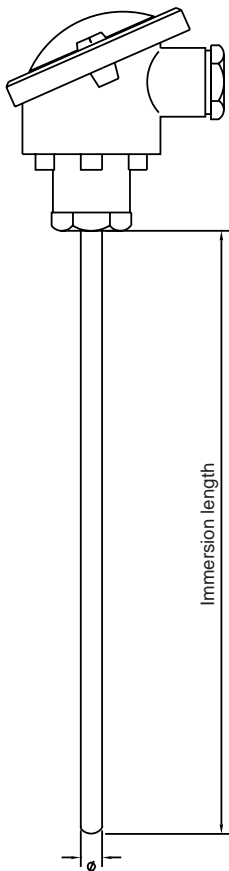
Main features

- Amplified output signal
- 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 2):

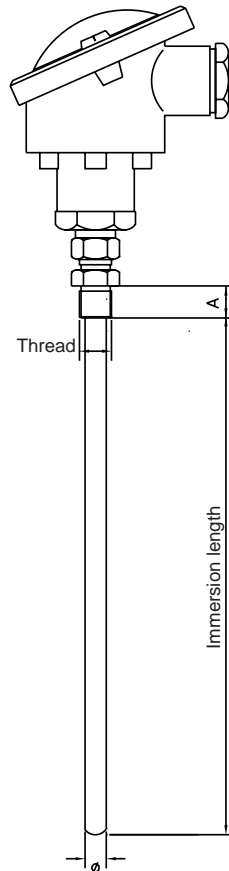
for type T:	$\pm 1^{\circ}\text{C}$	(-40 ... +133°C)
	$\pm 0.0075 [t]$	(t > +133°C)
for type J, E, K:	$\pm 2,5^{\circ}\text{C}$	(-40 ... +333°C)
	$\pm 0.0075 [t]$	(t > +333°C)
- Mineral insulated (MgO) thermocouple element and continuous metal sheath
- Application versatility

MODELS

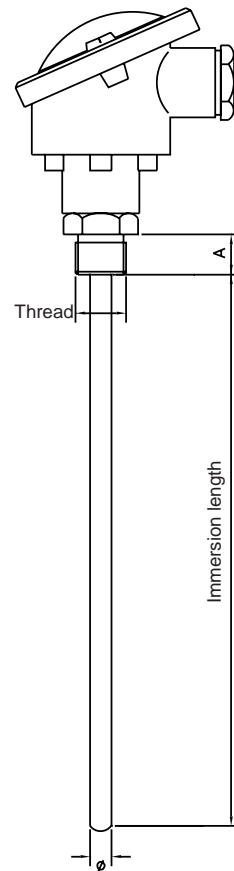
AC6M A
without fitting



AC6M B
with adjustable
compression fitting



AC6M D
with welded fitting
under the head



ORDER CODE

CODE	0	0	0	X	0	0	0	X	A																																																																																					
<p>Model</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Without fitting</td><td style="text-align: center;">A</td></tr> <tr><td>With adjustable compression fitting</td><td style="text-align: center;">B</td></tr> <tr><td>With welded fitting under the head</td><td style="text-align: center;">D</td></tr> </table> <p>Element + Hot Junction</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Single Insulated</td><td style="text-align: center;">1</td></tr> <tr><td>Single Grounded</td><td style="text-align: center;">2</td></tr> </table> <p>Thermocouple Type</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Fe - Cu/Ni</td><td style="text-align: center;">J</td></tr> <tr><td>Ni/Cr - Ni/Al</td><td style="text-align: center;">K</td></tr> <tr><td>Cu - Cu/Ni</td><td style="text-align: center;">T</td></tr> <tr><td>Ni/Cr - Cu/Ni</td><td style="text-align: center;">E</td></tr> </table> <p>Connection Head</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>DIN B</td><td style="text-align: center;">C</td></tr> <tr><td>DIN BUS</td><td style="text-align: center;">E</td></tr> <tr><td>EEX d IIC TC6 (SW/S22)</td><td style="text-align: center;">F</td></tr> <tr><td>EEX d IIB TC5 (GUJP)</td><td style="text-align: center;">G</td></tr> <tr><td>CEAA</td><td style="text-align: center;">H</td></tr> </table> <p>Sheath Material</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>AISI 316</td><td style="text-align: center;">C</td><td style="text-align: center;">*</td></tr> <tr><td>INCONEL 600</td><td style="text-align: center;">F</td><td style="text-align: center;">**</td></tr> </table> <p>(*) Available for T, J, E models only (**) Available for K model only</p> <p>Sheath Diameter (mm)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>2</td><td style="text-align: center;">D</td><td style="text-align: center;">*</td></tr> <tr><td>3</td><td style="text-align: center;">E</td><td></td></tr> <tr><td>4.5</td><td style="text-align: center;">G</td><td></td></tr> <tr><td>6</td><td style="text-align: center;">I</td><td></td></tr> <tr><td>8</td><td style="text-align: center;">J</td><td></td></tr> </table> <p>(*) For single element only</p> <p>Connection Thread *</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1/8" GAS</td><td style="text-align: center;">"A"= 10mm</td><td style="text-align: center;">A</td></tr> <tr><td>1/4" GAS</td><td style="text-align: center;">"A"= 12mm</td><td style="text-align: center;">B</td></tr> <tr><td>3/8" GAS</td><td style="text-align: center;">"A"= 15mm</td><td style="text-align: center;">C</td></tr> <tr><td>1/2" GAS</td><td style="text-align: center;">"A"= 15mm</td><td style="text-align: center;">D</td></tr> <tr><td>1/8" NPT</td><td></td><td style="text-align: center;">G</td></tr> <tr><td>1/4" NPT</td><td></td><td style="text-align: center;">H</td></tr> <tr><td>3/8" NPT</td><td></td><td style="text-align: center;">I</td></tr> <tr><td>1/2" NPT</td><td></td><td style="text-align: center;">J</td></tr> </table> <p>(*) To be shown for B, D models only</p> <p>Connection Material *</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Nickel-Plated Brass</td><td style="text-align: center;">1</td><td style="text-align: center;">**</td></tr> <tr><td>300 Series Stainless Steel</td><td style="text-align: center;">2</td><td></td></tr> </table> <p>(*) To be shown for B, D models only (**) Available for AC6MB model only</p>	Without fitting	A	With adjustable compression fitting	B	With welded fitting under the head	D	Single Insulated	1	Single Grounded	2	Fe - Cu/Ni	J	Ni/Cr - Ni/Al	K	Cu - Cu/Ni	T	Ni/Cr - Cu/Ni	E	DIN B	C	DIN BUS	E	EEX d IIC TC6 (SW/S22)	F	EEX d IIB TC5 (GUJP)	G	CEAA	H	AISI 316	C	*	INCONEL 600	F	**	2	D	*	3	E		4.5	G		6	I		8	J		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	Nickel-Plated Brass	1	**	300 Series Stainless Steel	2		<p>Certificates</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">A</td><td>Conformity Report</td></tr> <tr><td style="text-align: center;">R</td><td>Calibration Report</td></tr> <tr><td style="text-align: center;">T</td><td>SIT Calibr. Report / Certificate</td></tr> </table> <p>LENGTHS AND ACCESSORIES</p> <p>Type of Transmitter</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">A</td><td>4 ÷ 20mA</td></tr> </table> <p>Immersion Length (mm)</p> <p>Standard length from 50 to 2000mm with 50mm step and from 2000 to 10000mm with 500mm step</p> <p>Temperature range in which the calibration has to be made</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">T. min</td> <td style="text-align: center;">T. max</td> </tr> <tr> <td style="text-align: center;">°C</td> <td style="text-align: center;">°C</td> </tr> <tr> <td style="text-align: center;">4mA</td> <td style="text-align: center;">20mA</td> </tr> </table>	A	Conformity Report	R	Calibration Report	T	SIT Calibr. Report / Certificate	A	4 ÷ 20mA	T. min	T. max	°C	°C	4mA	20mA
Without fitting	A																																																																																													
With adjustable compression fitting	B																																																																																													
With welded fitting under the head	D																																																																																													
Single Insulated	1																																																																																													
Single Grounded	2																																																																																													
Fe - Cu/Ni	J																																																																																													
Ni/Cr - Ni/Al	K																																																																																													
Cu - Cu/Ni	T																																																																																													
Ni/Cr - Cu/Ni	E																																																																																													
DIN B	C																																																																																													
DIN BUS	E																																																																																													
EEX d IIC TC6 (SW/S22)	F																																																																																													
EEX d IIB TC5 (GUJP)	G																																																																																													
CEAA	H																																																																																													
AISI 316	C	*																																																																																												
INCONEL 600	F	**																																																																																												
2	D	*																																																																																												
3	E																																																																																													
4.5	G																																																																																													
6	I																																																																																													
8	J																																																																																													
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																																																																																												
Nickel-Plated Brass	1	**																																																																																												
300 Series Stainless Steel	2																																																																																													
A	Conformity Report																																																																																													
R	Calibration Report																																																																																													
T	SIT Calibr. Report / Certificate																																																																																													
A	4 ÷ 20mA																																																																																													
T. min	T. max																																																																																													
°C	°C																																																																																													
4mA	20mA																																																																																													

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

GEFRAN

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

cod. AC6M - 09/04