

## AR6M

Mineral oxide resistance thermometers for a wide range of industrial applications

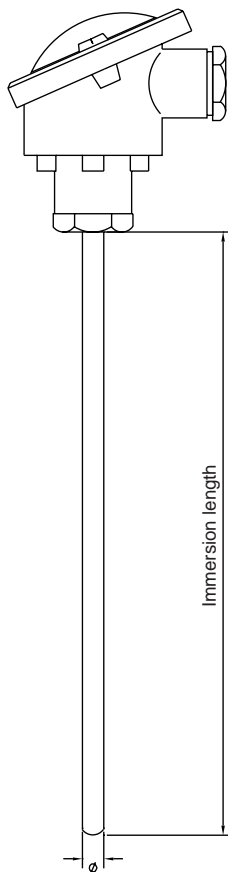


### Main features

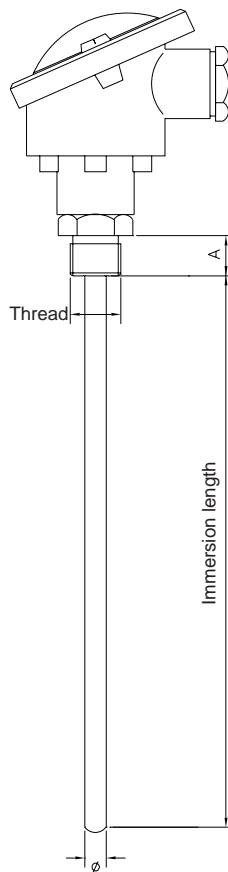
- Amplified output signal
- Temperature Limits: -40 ... +600° C
- Tolerance: UNI 7937, IEC 751 standards:
  - ± 0.15° C a 0° C for class A (1/2 DIN)
  - ± 0.30° C a 0° C for class B (1 DIN)
  - ± 0.10° C a 0° C for 1/3 DIN class
- Compact mineral insulated (MgO) resistance thermometer element (Pt100 at 0°C) and continuous metal sheath
- Application versatility

### MODELS

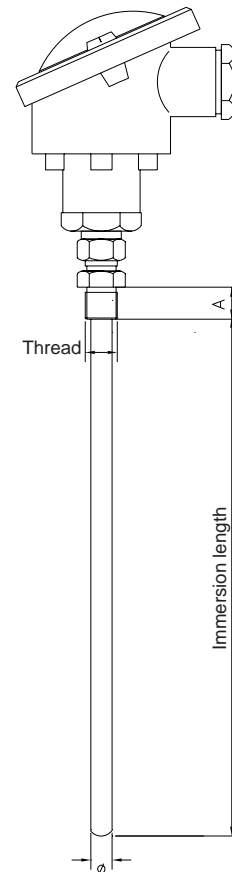
**AR6M A**  
without fitting



**AR6M B**  
with adjustable  
compression fitting



**AR6M D**  
with welded fitting  
under the head



# ORDER CODE

A R 6 M      0 0 0 X 0 0 0 X      A

## CODE

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

Element + Nr. of Wires	
Single 2 wires	1
Single 3 wires	2

Precision Class	
PT100 class A (1/2 DIN)	A
PT100 class B (1 DIN)	B
PT100 class (1/3 DIN)	C

Connection Head	
DIN B	C
DIN BUS	E
EEX d IIC TC6 (SW/S22)	F
EEX d IIB TC5 (GUJP)	G
CEAA	H

Sheath Material	
AISI 316	C

Sheath Diameter (mm)	
3	E *
4.5	G
6	I

(\*) Not available with double element

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 AR6MB model only

## Certificates

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

## LENGTHS AND ACCESSORIES

### Type of Transmitter

A	4 ÷ 20mA
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### Immersion Length (mm)

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

## Temperature Range in which the Calibration has to be Made

min T	max T
<input type="text"/> °C	<input type="text"/> °C
<input type="text"/> 4mA	<input type="text"/> 20mA

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



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