

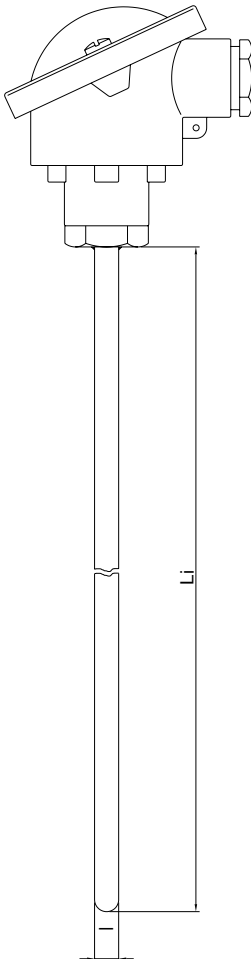


### Main features

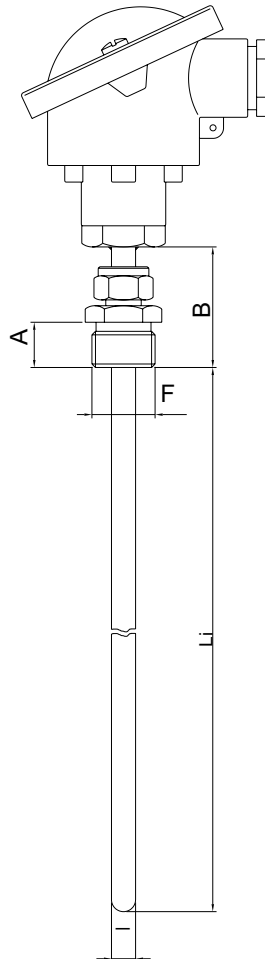
- 4...20mA Transmitter
- Amplified output signal
- Temperature Limits: -80 ... +600° C
- Valid reference tolerances for the sensing element only:  
UNI 7937, IEC 751 standards:  
± 0.15° C a 0° C for class A (1/2 DIN)  
± 0.30° C a 0° C for class B (1 DIN)  
± 0.10° C a 0° C for class 1/3 DIN
- Compact mineral insulated (MgO) resistance thermometer element (Pt100 at 0°C) and continuous metal sheath
- Application versatility

### MODELS

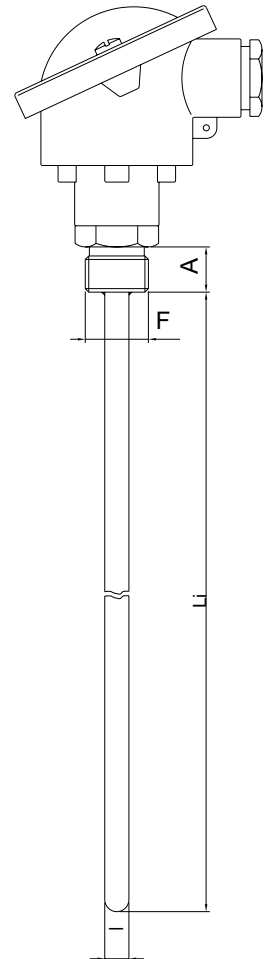
**AR6M A**  
without fitting



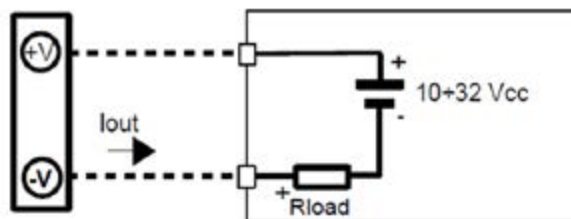
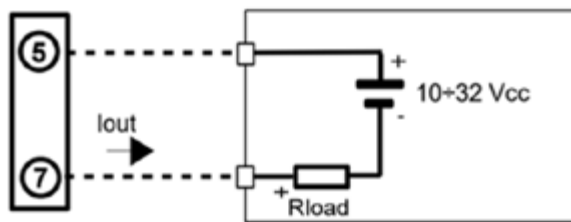
**AR6M B**  
with adjustable  
compression fitting



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



## CONVERTER TECHNICAL SPECIFICATIONS



### Power supply

Power supply voltage 12 .. 30 Vdc  
Reverse polarity protection 60 Vdc max

### Linearity (\*)

TC  $\pm 0,2$  % f.s.  
RTD  $\pm 0,1$  % f.s.  
(\*) referred to input Span (difference between max. and min. values)

### Temperature and Humidity

Operative temperature  $-40^{\circ}\text{C} .. +85^{\circ}\text{C}$   
Storage temperature  $-40^{\circ}\text{C} .. +85^{\circ}\text{C}$   
Humidity (not condensed) 0 .. 90 %

### Load characteristic - Rload

(maximum load value on current loop per power supply value)

### Output type (current)

Min 4mA  
Max 20mA

### Thermal drift

Full scale  $\pm 0,01\%$  /  $^{\circ}\text{C}$   
CJC  $\pm 0,01\%$  /  $^{\circ}\text{C}$

