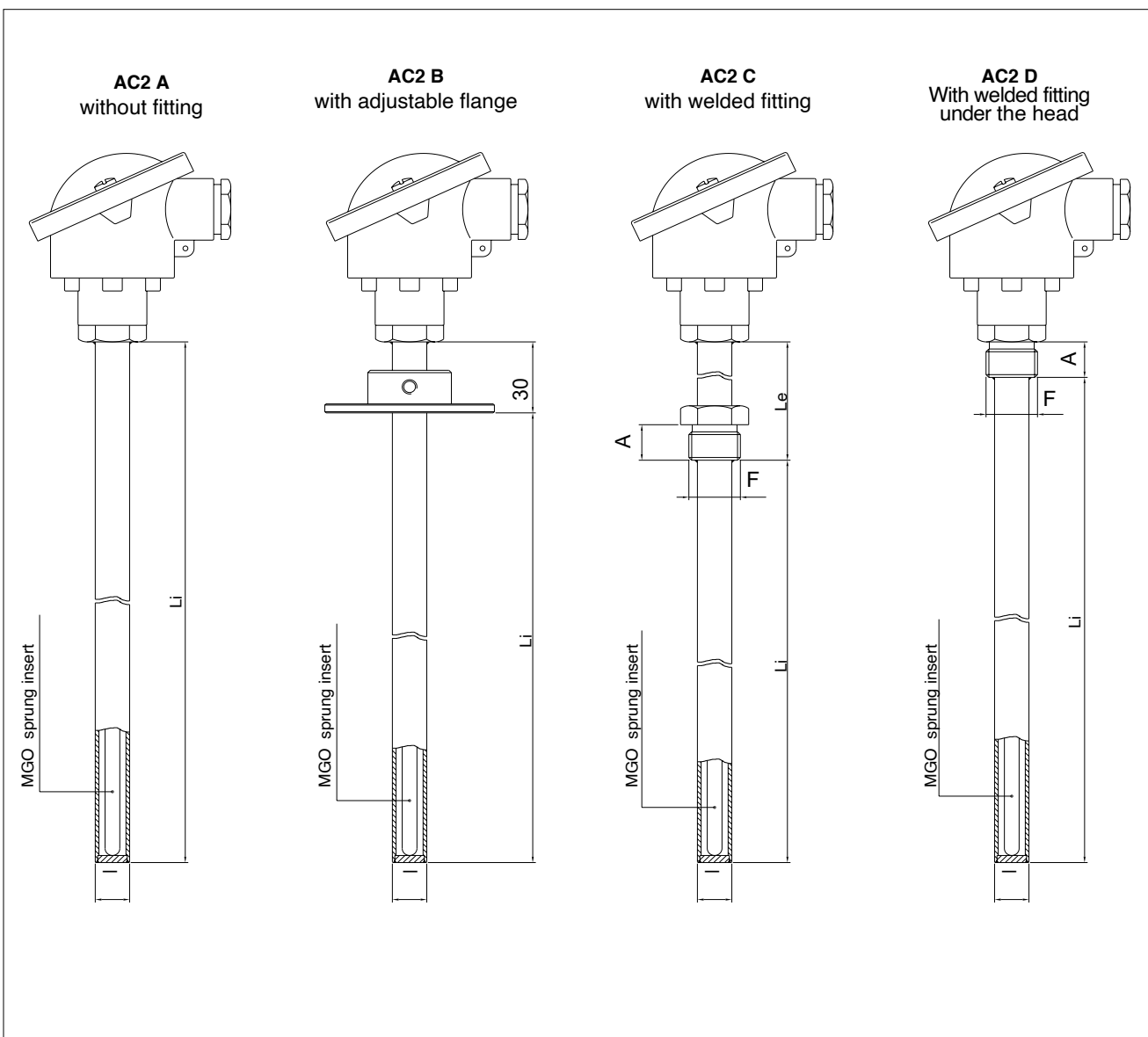




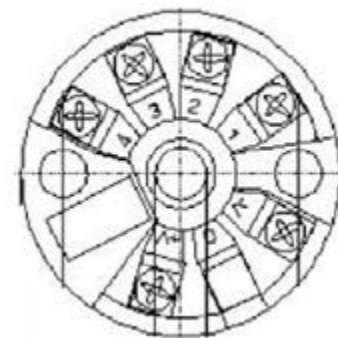
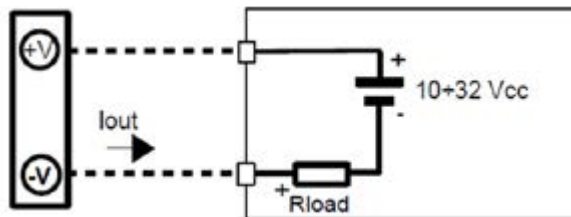
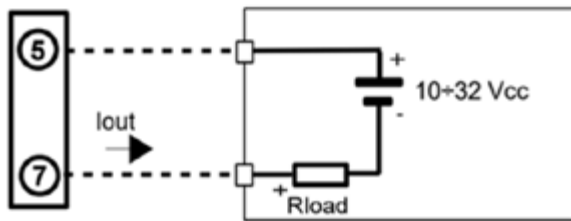
Main features

- Amplified output signal
- Temperature limits:
 - 40 ... + 350° C for type T
 - 40 ... + 550° C for type J
 - 40 ... + 600° C for type E
 - 40 ... + 1050° C for type K
 (see table for sheath diameters)
- Valid reference tolerances for the sensing element only:
UNI 7938, IEC 584-2 class 1:
 - for type T: $\pm 0,5^{\circ} \text{C}$ (- 40 ... + 125° C)
 $\pm 0.004 [t]$ ($t > + 375^{\circ} \text{C}$)
 - for type J, E, K: $\pm 1.5^{\circ} \text{C}$ (- 40 ... + 375° C)
 $\pm 0.004 [t]$ ($t > + 375^{\circ} \text{C}$)
- Mineral insulated interchangeable insert
- Application versatility

MODELS



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

Load characteristic - Rload

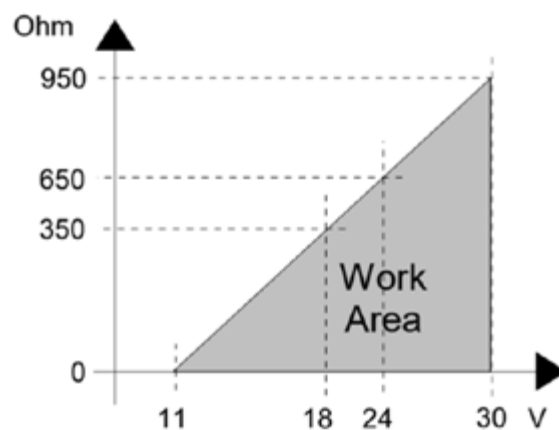
(maximum load value on current loop per power supply value)

Output type (current)

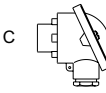
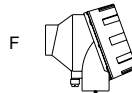
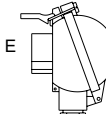
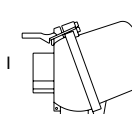
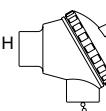
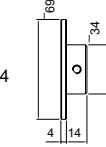
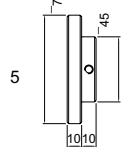
Min 4mA
Max 20mA

Thermal drift

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



ORDER CODE

CODE		A C 2 0 0 0 0 X X 0																			
Model												Certificates A Conformity Report									
Without fitting A With adjustable flange B With welded fitting C With welded fitting under the head D												LENGTHS AND ACCESSORIES Type of Transmitter A 4 ÷ 20mA Li = Immers. Length (mm) Standard length from 100 to 2000mm with 50mm step Le = Extension Length (mm) (*) Standard length from 35 to 200mm with 10mm step									
Element + Hot Junction												Temp. range in which the calibration has to be made T. min °C 4mA T. max °C 20mA									
Single Insulated 1 Single Grounded 2												(*) To be shown for AC2C model  C  F  E  I  H  4  5									
Thermocouple Type												(*) Non available with double element									
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 DIN BUZ - H I																					
Sheath Material																					
AISI 304 A AISI 310 B AISI 316 C INCONEL 600 F																					
Sheath Diameter (mm)																					
10 K 12 L 14 M 16 O 17.2 (3/8") P 21.3 (1/2") Q 26.7 (3/4") T																					
Connection Thread *																					
3/8" GAS "A"= 15mm C 1/2" GAS "A"= 15mm D 3/4" GAS "A"= 18mm E 1" GAS "A"= 18mm F 3/8" NPT I 1/2" NPT J 3/4" NPT K 1" NPT L																					
Connection Material																					
300 series stainless steel 2 * Aluminium 4 ** Carbon steel 5 **												(*) For fittings only (**) For flanges only									

Mod. C - D		Availability of Mounts /Sheathing Diameter							
MOUNT (F)	A (mm)	ø10	ø12	ø14	ø16	ø17.2	ø21.3	ø26.7	
G 3/8	15	x	x	-	-	-	-	-	
G 1/2	15	x	x	x	x	-	-	-	
G 3/4	18	x	x	x	x	x	x	-	
G 1	20	x	x	x	x	x	x	x	
3/8 NPT	16	x	x	-	-	-	-	-	
1/2 NPT	20	x	x	x					