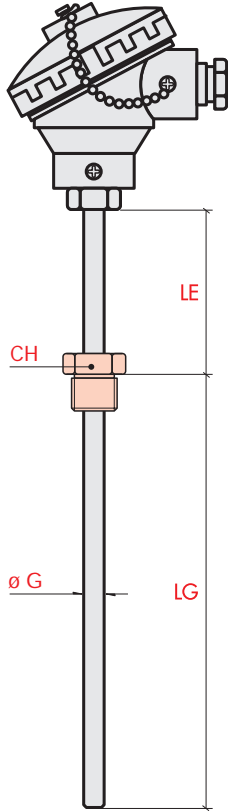




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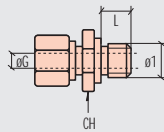


Electrical connection



Mounting Fittings
(for models without fixed attaching device only)

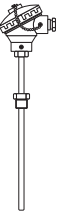
Suggested adjustable compression fittings



Material	ø1	L	CH	øG	Model
AISI 316	1/2"G	14	24	10	Z1 RFS-B/I100
	1/2"NPT	19	22	10	Z1 RFS-B/Q100
	1/2"G	14	24	13.5	Z1 RFS-B/I135
	1/2"NPT	19	22	13.5	Z1 RFS-B/Q135

Middle-pressure MgO sensors with replaceable insertion

R1 Straight thermocouple 10 and 13.5mm o.d. with connection head, optional fixed attaching device



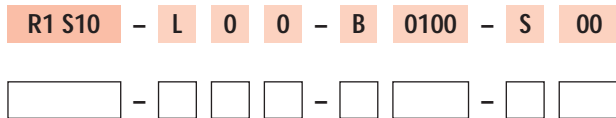
Connection head	Diameter* ø G mm	Base code	Thermocouple type	Element N° and limits	Hot junction	Clamp material	Sheath LG mm	Type of thread	Extension LE mm
Standard IP67, optional Transmitter* 	10	R1 S10	Fe - CuNi L DIN/600°C max AISI 321 insertion	0 Single Cl. 2 (standard)	0 Insulated	B AISI 316	0100	S None	00 None
	13.5	R1 S13							
	10 + T	R1 T10							
Nylon IP65, optional Transmitter* 	10	R1 N10	Fe - CuNi J IEC/600°C max AISI 321 insertion	1 2 3 Dual Cl. 1 (standard) Single Cl. 1 (special) Dual Cl. 2 (special)	1 Grounded		0150	F 1/4" Gas - L13 CH - 17 (only ø10)	05 50
	13.5	R1 N13							
	10 + T	R1 Y10							
EEx d IIB IP65, optional Transmitter* 	10	R1 X10	Cu - CuNi U DIN/200 +300°C AISI 321 insertion				0200	H 3/8" Gas - L15 CH - 22	08 80
	13.5	R1 X13							
	10 + T	R1 Y13							
	10	R1 X10	Cu - CuNi T IEC/200 +300°C AISI 321 insertion				0300	I 1/2" Gas - L15 CH - 24	10 100
	13.5	R1 X13							
	10 + T	R1 U10							
	10	R1 X10	NiCr - Ni K DIN-IEC/1050°C max Inconel 600 insertion				0400	J 3/4" Gas - L15 CH - 30	
	13.5	R1 X13							
	10 + T	R1 U10							
	10	R1 X10	NiCr - Ni K DIN-IEC/1050°C max Inconel 600 insertion				0350	L 1" Gas - L16 CH - 38	
	13.5	R1 X13							
	10 + T	R1 U10							
	10	R1 X10	NiCr - Ni K DIN-IEC/1050°C max Inconel 600 insertion				0450	N 1/4" NPT - L13 CH - 17(only ø10)	
	13.5	R1 X13							
	10 + T	R1 U10							
	10	R1 X10	NiCr - Ni K DIN-IEC/1050°C max Inconel 600 insertion				0500	Q 1/2" NPT - L15 CH - 24	
	13.5	R1 X13							
	10 + T	R1 U10							
	10	R1 X10	NiCrSi - NiSiMg N IEC/1050°C max Inconel 600 insertion				L min 0080	R 3/4" NPT - L15 CH - 17	
	13.5	R1 X13							
	10 + T	R1 U13							

Note:
* ø G = 10 insertion ø 6
ø G = 13.5 insertion ø 8
** Transmitter for single element only

Note: other lengths on request for LG and LE. Code ex.: LG = 135mm cod. 0135 / = 60mm cod. 06

Reference model :

Straight MgO thermocouple, standard head, 10mm sheath o.d., Fe-CuNi DIN, class 2 single element, ungrounded junction plain end, AISI316 sheath, 100mm length, no attaching device, no extension, with replaceable MgO insertion

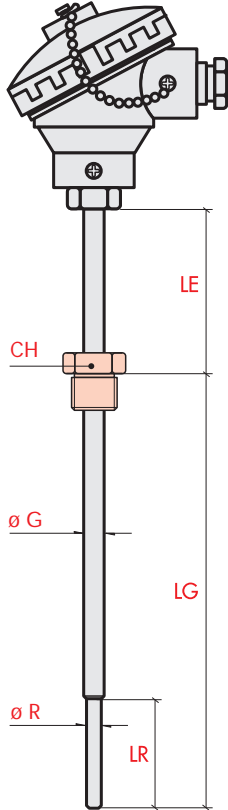
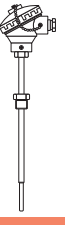




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Middle-pressure MgO sensors with replaceable insertion



Electrical connection

Mounting Fittings
(for models without fixed attaching device only)

Suggested adjustable compression fittings

Material	ø1	L	CH	øG	Model
AISI 316	1/2" G	14	24	10	Z1 RFS-B/I100
	1/2" NPT	19	22	10	Z1 RFS-B/Q100
	1/2" G	14	24	13.5	Z1 RFS-B/I135
	1/2" NPT	19	22	13.5	Z1 RFS-B/Q135

R2 Straight/tapered thermocouple, 10 and 13.5mm o.d., with connection head and optional fixed attaching device

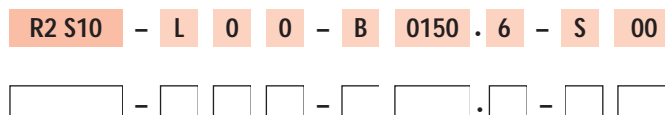
Connection head	Diameter* ø G mm	Base code	Thermocouple type	Element N° and limits	Hot junction	Clamp material	Sheath LG mm	Tapering øR x LR mm	Type of thread	Extension LE mm
Standard IP67, optional Transmitter** 	10	R2 S10	Fe - CuNi L DIN/600°C max AISI 321 insertion	0 Single Cl. 2 (standard)	0 	B AISI 316	0150	6 D8 x 60 for ø 10	S None	00 None
	13.5	R2 S13								
	10 + T	R2 T10								
	13.5 + T	R2 T13								
Nylon IP65, optional Transmitter** 	10	R2 N10	Fe - CuNi J IEC/600°C max AISI 321 insertion	1 Dual Cl. 2 (standard)	1 		0200	7 D10 x 60 for ø 13.5	F 1/4" Gas - L13 CH-17(only ø10)	05 50
	13.5	R2 N13								
	10 + T	R2 Y10								
	13.5 + T	R2 Y13								
EEx d IIB IP65, optional Transmitter** 	10	R2 X10	Cu - CuNi U DIN/-200 +300°C AISI 321 insertion	2 Single Cl. 1 (special)	2 		0250		H 3/8" Gas - L15 CH - 22	08 80
	13.5	R2 X13								
	10 + T	R2 U10								
	13.5 + T	R2 U13								
	10	R2 X10	Cu - CuNi T IEC/-200 +300°C AISI 321 insertion	3 Dual Cl. 2 (special)			0300		I 1/2" Gas - L15 CH - 24	10 100
	13.5	R2 X13								
	10 + T	R2 U10								
	13.5 + T	R2 U13								
	10	R2 X10	NiCr - Ni K DIN-IEC/1050°C max Inconel 600 insertion				0350		J 3/4" Gas - L15 CH - 30	
	13.5	R2 X13								
	10 + T	R2 U10								
	13.5 + T	R2 U13								
	10	R2 X10	NiCr - Ni E IEC/700°C max AISI 321 insertion				0400		L 1" Gas - L16 CH - 38	
	13.5	R2 X13								
	10 + T	R2 U10								
	13.5 + T	R2 U13								
	10	R2 X10	NiCrSi - NiSiMg N IEC/1050°C max Inconel 600 insertion				0450		N 1/4" NPT - L13 CH-17(only ø10)	
	13.5	R2 X13								
	10 + T	R2 U10								
	13.5 + T	R2 U13								
	10	R2 X10					0500		Q 1/2" NPT - L15 CH - 24	
	13.5	R2 X13								
	10 + T	R2 U10								
	13.5 + T	R2 U13								
	10	R2 X10					L min 0100		R 3/4" NPT - L15 CH - 30	
	13.5	R2 X13								
	10 + T	R2 U10								
	13.5 + T	R2 U13								
	10	R2 X10							T 1" NPT - L25 CH - 36	
	13.5	R2 X13								
	10 + T	R2 U10								
	13.5 + T	R2 U13								

Note:
* ø 6 insertion
** Transmitter for single element only

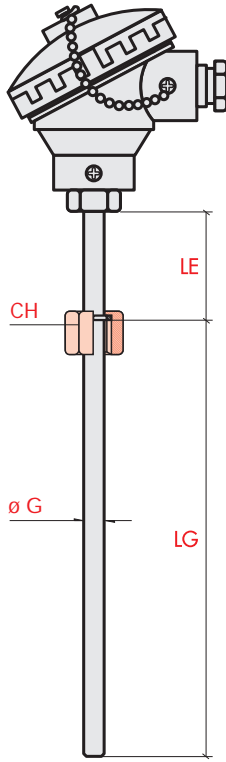
Note: other lengths on request for LG and LE. Code ex.: LG = 135mm cod. 0135 / = 60mm cod. 06

Reference model :

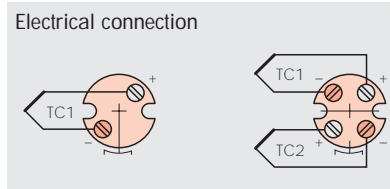
Straight/tapered thermocouple, standard head, 10mm sheath o.d., Fe-CuNi DIN, class 2 single element, ungrounded junction plain end, AISI 316 sheath, 150mm length, 8x60 tapering, no attaching device, no extension, with MgO replaceable insertion.



Middle-pressure MgO sensors with replaceable insertion



R3 Straight thermocouple, 10 and 13.5mm o.d., with connection head and female rotating attaching device



Connection head	Diameter* ø G mm	Base code	Thermocouple type	Element N° and limits	Hot junction	Clamp material	Sheath LG mm	Type of flange	Extension LE mm
Standard IP67, optional Transmitter ** 	10	R3 S10	Fe - CuNi L DIN/600°C max AISI 321 insertion	0 Single Cl. 2 (standard)	 Insulated	B AISI 316	0100	I 1/2" Gas - L16 CH - 24	02 20
	13.5	R3 S13							
	10 + T	R3 T10							
	13.5 + T	R3 T13							
Nylon IP65, optional Transmitter ** 	10	R3 N10	Fe - CuNi J IEC/600°C max AISI 321 insertion	1 Dual Cl. 2 (standard) 2 Single Cl. 1 (special)	 Grounded		0150 0200	H 3/8" Gas - L17 CH - 19 J 3/4" Gas - L16 CH - 30	05 50 08 80
	13.5	R3 N13							
	10 + T	R3 Y10							
	13.5 + T	R3 Y13							
EEx d IIB IP65, optional Transmitter ** 	10	R3 X10	NiCr - Ni K DIN- IEC/1050°C max Inconel 600 insertion	3 Dual Cl. 2 (special)			0300 0350 0400 0450 0500		
	13.5	R3 X13							
	10 + T	R3 U10							
	13.5 + T	R3 U13							

Note:
* ø G = 10, insertion ø 6
ø G = 13.5, insertion ø 8
** Transmitter for single element only

Note: other lengths on request for LG and LE. Code ex.: LG = 135mm cod. 0135 / = 60mm cod. 06

Reference model :

Straight thermocouple, standard head, 10mm sheath o.d., Fe-CuNi DIN, class 2 single element, ungrounded junction plain end, AISI 316 sheath, 100mm length, 1/2" Gas female attaching device, 20mm extension, with MgO replaceable insertion.

R3 S10 - L 0 0 - B 0100 - I 02

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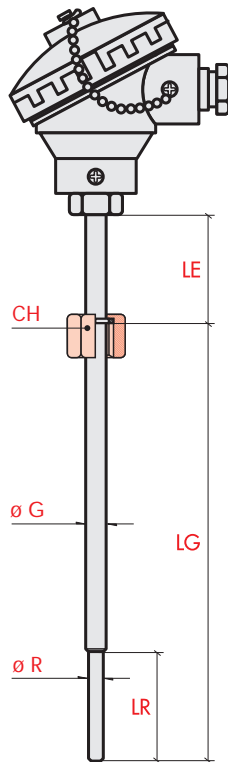




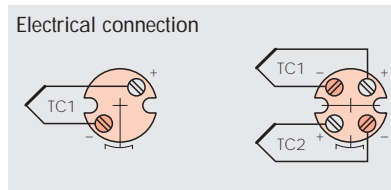
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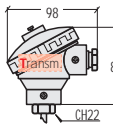

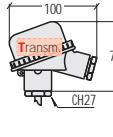

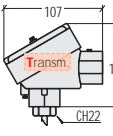
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Middle-pressure Mgo sensors with replaceable insertion



R4 Straight/tapered thermocouple, 10 and 13.5mm o.d., with connection head and female rotating attaching device



Connection head	Diameter* ø G mm	Base code	Thermocouple type	Element N° and limits	Hot junction	Clamp material	Sheath LG mm	Tapering ø R x LR mm	Type of thread	Extension LE mm
Standard IP67, optional Transmitter** 	10	R4 S10	Fe - CuNi L DIN/600°C max AISI 321 insertion	0 Single Cl. 2 (standard)	 Insulated	B AISI 316	0150	6 D8 x 60 for ø 10	I 1/2" Gas - L16 CH - 24	02 20
	13.5	R4 S13								
	10 + T	R4 T10								
Nylon IP65, optional Transmitter** 	10	R4 N10	Fe - CuNi J IEC/600°C max AISI 321 insertion	1 Dual Cl. 2 (standard) 2 Single Cl. 1 (special)	 Grounded		0200	7 D10 x 60 for ø 13.5	H 3/8" Gas - L17 CH - 19	05 50
	13.5 + T	R4 T13								
	10 + T	R4 Y10								
EEx d IIB IP65, optional Transmitter** 	10	R4 X10	NiCr - Ni K DIN- IEC/1050°C max Inconel 600 insertion	3 Dual Cl. 2 (special)			0250		J 3/4" Gas - L16 CH - 30	08 80
	13.5	R4 N13								
	10 + T	R4 Y10								
	13.5 + T	R4 Y13				0350			10 100	
						0400				
						0450				
						0500				
							L min 0100			

Note:
* ø 6 insertion
** Transmitter for single element only

Note: other lengths on request for LG and LE. Code ex.: LG = 135mm cod. 0135 / = 60mm cod. 06

Reference model: :
Straight/tapered thermocouple, standard head, 10mm sheath o.d., Fe-CuNi DIN, class 2 single element, ungrounded junction, AISI 316 sheath, 150mm length, 8x60 tapering, 1/2" Gas female attaching device, 20mm extension, with MgO replaceable insertion.

