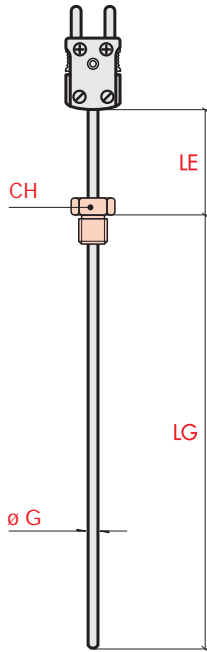
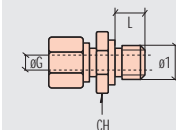


# General purpose MgO sensors

**P3** Straight thermocouple with 1mm or 6mm o.d., plug and optional fixed attaching device.



**Mounting Fittings**  
(for models without fixed attaching device only)  
Suggested adjustable compression fittings



Material	ø1	L	CH	øG	Model
AISI 316	1/8" G	10.5	12	1	Z1 RFS-B/E010
	1/8" NPT	10.5	12	1	Z1 RFS-B/M010
	1/8" G	10.5	12	1.5	Z1 RFS-B/E015
	1/8" NPT	10.5	12	1.5	Z1 RFS-B/M015
	1/8" G	10.5	12	2	Z1 RFS-B/E020
	1/8" NPT	10.5	12	2	Z1 RFS-B/M020
	1/8" G	10.5	12	3	Z1 RFS-B/E030
	1/8" NPT	10.5	12	3	Z1 RFS-B/M030
	1/8" G	10.5	12	4.5	Z1 RFS-B/E045
	1/8" NPT	10.5	12	4.5	Z1 RFS-B/M045
	1/4" G	12	17	6	Z1 RFS-B/F060
	1/2" G	14	24	6	Z1 RFS-B/I060

Plug/Jack	Diameter ø G mm	Base code	Thermocouple type	Element N° and limits	Hot junction	Sheath material	Sheath LG mm	Type of thread	Extension LE mm
Standard plug 	1	P3 G10	L Fe - CuNi DIN/600°C max	0 Single Cl. 2 (standard)	0 Insulated	A AISI 321	0100	S None	00 None
	1.5	P3 G15							
	2	P3 G20							
	3	P3 G30							
	4.5	P3 G45							
Miniature plug 	1	P3 D10	J Fe - CuNi IEC/600°C max	1 * Dual Cl. 2 (standard)	1 Grounded	C Inconel 600 (K and N only)	0150	D M10 x 1.5 - L13 CH - 14	05 50
	1.5	P3 D15							
	2	P3 D20							
	3	P3 D30							
	4.5	P3 D45							
Cylindrical plug ø 17 	1	P3 J10	U Cu - CuNi DIN/-200 +300°C	2 Single Cl. 1 (special)	2 Exposed		0200	ET 1/8" Gas - L12 CH - 14	08 80
	1.5	P3 J15							
	2	P3 J20							
	3	P3 J30							
	4.5	P3 J45							
Male ø 12 cylindrical plug 	1	P3 R10	T Cu - CuNi IEC/-200 +300°C	3 * Dual Cl. 2 (special)			0250	F 1/4" Gas - L13 CH - 17	10 100
	1.5	P3 R15							
	2	P3 R20							
	3	P3 R30							
	4.5	P3 R45							
Cylindrical plug ø 17 	1	P3 J10	K NiCr - Ni DIN - IEC/1050°C max				0300	H 3/8" Gas - L15 CH - 22	
	1.5	P3 J15							
	2	P3 J20							
	3	P3 J30							
	4.5	P3 J45							
Male ø 12 cylindrical plug 	1	P3 R10	ET NiCr - CuNi DIN - IEC/700°C max				0350	I 1/2" NPT - L10 CH - 14	
	1.5	P3 R15							
	2	P3 R20							
	3	P3 R30							
	4.5	P3 R45							
Male ø 12 cylindrical plug 	1	P3 R10	N NiCrSi - NiSiMg DIN - IEC/1050°C max				0400	M 1/8" NPT - L10 CH - 14	
	1.5	P3 R15							
	2	P3 R20							
	3	P3 R30							
	4.5	P3 R45							
Male ø 12 cylindrical plug 	1	P3 R10					0450	N 1/4" NPT - L13 CH - 17	
	1.5	P3 R15							
	2	P3 R20							
	3	P3 R30							
	4.5	P3 R45							
Male ø 12 cylindrical plug 	1	P3 R10					0500	Q 1/2" NPT - L15 CH - 24	
	1.5	P3 R15							
	2	P3 R20							
	3	P3 R30							
	4.5	P3 R45							

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

**P3 G20 - L 0 0 - A 0100 - S 00**

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**Reference model:**

Straight MgO thermocouple, standard plug, 2mm sheath o.d., Fe-CuNi DIN, class 2 single element, ungrounded junction, AISI 321 sheath, 100mm length, no attaching device and no extension.



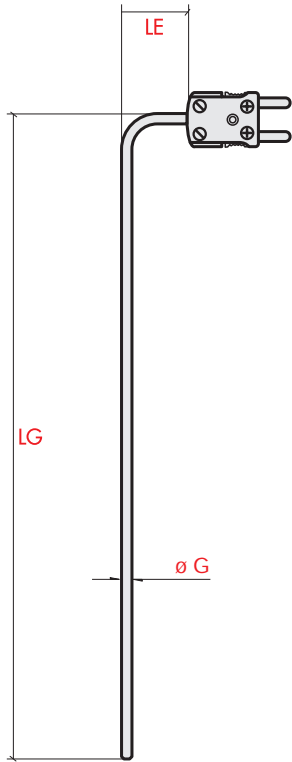


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# General purpose MgO sensors

**P4** 90° angle thermocouple, o.d. from 4.5 up to 8mm, with plug.



**Mounting Fittings**

Suggested adjustable compression fittings

Material	ø1	L	CH	øG	Model
AISI 316	1/8" G	10.5	12	4.5	Z1 RFS-B/EO50
	1/8" NPT	10.5	12	4.5	Z1 RFS-B/MO50
	1/4" G	12	17	6	Z1 RFS-B/FO60
	1/2" G	14	24	6	Z1 RFS-B/IO60
	1/4" G	12	17	8	Z1 RFS-B/FO80
Treated brass	1/2" G	14	24	8	Z1 RFS-B/IO80
	1/4" G	12	17	6	Z1 RFS-O/FO60
	1/2" G	14	24	6	Z1 RFS-O/IO60
	1/4" G	12	17	8	Z1 RFS-O/FO80
1/2" G	14	24	8	Z1 RFS-O/IO80	

Plug/Jack	Diameter ø G mm	Base code	Thermocouple type	Element N° and limits	Hot junction	Sheath material	Sheath LG mm	Extension LE mm	
Standard plug 	4.5	P4 G45	L Fe - CuNi DIN/600°C max	0 Single Cl. 2 (standard)	0 	A AISI 321	0100	03 30	
	6	P4 G60							
	8	P4 G80							
Miniature plug 	4.5	P4 D45	J Fe - CuNi IEC/600°C max	1 Dual Cl. 2 (standard)	1 	C Inconel 600 (K only)	050		
			U Cu - CuNi DIN/-200 +300°C	2 Single Cl. 1 (special)	2 				0150
			T Cu - CuNi IEC/-200 +300°C	3 Dual Cl. 2 (special)					0200
			K NiCr - Ni DIN - IEC/1050°C max		0250				
Cylindrical plug ø 17 	4.5	P4 J45					0300		
	6	P4 J60					0350		
	8	P4 J80					0400		
Male ø 12 cylindrical plug 	4.5	P4 R45					0450		
							0500		
							L min 0050		

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

**P4 G45 - L 0 0 - A 0100 - 03**

**Reference model:**

90° angle MgO thermocouple, standard plug, 4.5 sheath o.d., Fe-CuNi DIN, class 2 single element, ungrounded junction, AISI 321 sheath, 100mm length, 30mm extension.

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