

## Mineral-Insulated Thermocouple with Compensating Cable According to DIN 43710 and DIN EN 60584 (901210)

- For temperatures from -200 to +1200 °C
- Flexible sheath cable with vibration-resistant measuring insert
- Protection tube diameter as of 0.5 mm
- Quick response time
- Application-specific insertion length



### Order details

			<b>(1) Basic type</b>		
			901250/32	Mineral-insulated thermocouple with siliconized compensating cable	
			901250/33	Mineral-insulated thermocouple with PTFE-insulated compensating cable	
			901250/34	Mineral-insulated thermocouple with metal-braiding and glass silk insulation	
			<b>(2) Measuring insert</b>		
X	X	X	1040	1x Fe-CuNi J, operating temperature -200...+800°C, sheath material No. 1.4541	
X	X	X	1042	1x Fe-CuNi L, operating temperature -200...+800°C, sheath material No. 1.4541	
X	X	X	1043	1x NiCr-Ni K, operating temperature -200...+1200°C, sheath material No. 2.4816	
X	X	X	1048	1x NiCrSi-NiSi "N" t.-200..1300C	
X		X	2042	2x Fe-CuNi L, operating temperature -200...+800°C, sheath material No. 1.4541	
X		X	2043	2x NiCr-Ni K, operating temperature -200...+1200°C, sheath material No. 2.4816	
X	X	X	2048	2x NiCrSi-NiSi "N"	
			<b>(3) Diameter prot. tube</b>		
X	X	X	0,50	0,5mm	Price per 100 mm Insertion length
X	X	X	1,00	1mm	Price per 100 mm Insertion length
X	X	X	1,50	1,5mm	Price per 100 mm Insertion length
X	X	X	2,00	2mm	Price per 100 mm Insertion length
X	X	X	3,00	3mm	Price per 100 mm Insertion length
X	X	X	4,50	4,5mm	Price per 100 mm Insertion length
X	X	X	6,00	6mm	Price per 100 mm Insertion length
			<b>(4) Insertion length</b>		
X	X	X	100,00	100 mm	
X	X	X	200,00	200 mm	
X	X	X	300,00	300 mm	
X	X	X	400,00	400 mm	
X	X	X	500,00	500 mm	
X	X	X	50,00 - 50000,00	50 - 50000 mm	
			<b>(5) Connecting cable end</b>		
X	X	X	11	Ferrules	
X	X	X	80	Multipole connector (type indicated in plain text)	
			<b>(6) Connecting line length in mm</b>		
X	X	X	2500	2500 mm	
X	X	X	500 - 500000	Indication in plain text (gradation 500mm)	
			<b>(7) Extra codes</b>		
X	X		000	Without extra code	
X	X	X	309	Uninsulated assembly (thermocouple welded to tip)	
X	X	X	315	Bend protection spring	
X	X	X	317	Shielded connecting cable (standard for basic model 901250/34)	
X	X	X	374	Inspection certificate 3.1 DIN EN 10204 material	
X	X	X	638	Übergangshülse vergossen	
X	X	X	658	SIL- and PL-suitable with safety temperature limiter and safety temperature monitor 70115X	

X	X	X	659	SIL- and PL-suitable (only in connection with temperature transmitter T06, data sheet 707071)
X	X	X	855	Junction pocket (end closure) 300 °C

**Order code**

(1)	(2)	(3)	(4)	(5)	(6)	(7)

**Important information:**

Combinations "measuring insert / protection tube diameter" only available according to the following table

**Quantity discount:**

As of 5 pieces: 5 %

As of 10 pieces: 10 %

As of 25 pieces: please inquire

**Price per 100 mm insertion length EL for mineral-insulated thermocouples**
**Thermocouple Fe-CuNi "L"**

Protection tube diameter D in mm	1× Fe-CuNi L single thermocouples	2× Fe-CuNi L double thermocouples
6.0	€3.00	€5.00
4.5	€3.00	€3.50
3.0	€1.50	€2.50
2.0	€1.50	-
1.5	€1.00	-
1.0	€1.00	-

**Thermocouple Fe-CuNi "J"**

Protection tube diameter D in mm	1× Fe-CuNi J single thermocouples	2× Fe-CuNi J double thermocouples
6.0	€3.00	-
3.0	€1.50	-
2.0	€1.50	-
1.5	€1.00	-
1.0	€1.00	-

**Thermocouple NiCr-Ni "K"**

Protection tube diameter D in mm	1× NiCr-Ni K single thermocouples	2× NiCr-Ni K double thermocouples
6.0	€3.00	€5.00
4.5	€3.00	€3.50
3.0	€1.50	€2.50
2.0	€1.50	€2.50
1.5	€1.00	-
1.0	€1.00	-
0.5	€18.00	-


**Stock versions**

Order code	Part no.
901250/32-1042-3-100-11-2500/000	00056809
901250/32-1042-1,5-100-11-2500/000	00056811
901250/32-1043-6-100-11-2500/000	00056812
901250/32-1043-6-200-11-2500/000	00068427
901250/32-1043-3-100-11-2500/000	00056813
901250/32-1043-3-200-11-2500/000	00068441
901250/32-1043-3-300-11-2500/000	00068442
901250/32-1043-3-500-11-2500/000	00068443
901250/32-1043-1,5-100-11-2500/000	00049205
901250/32-1043-1,5-200-11-2500/000	00068436
901250/32-1043-1,5-500-11-2500/000	00068437
901250/32-1043-0,5-100-11-2500/000	00066345

Accessories see price sheet:

2025-10-25

- Pipe Screw Connections (909750)
- Flanges (909750)