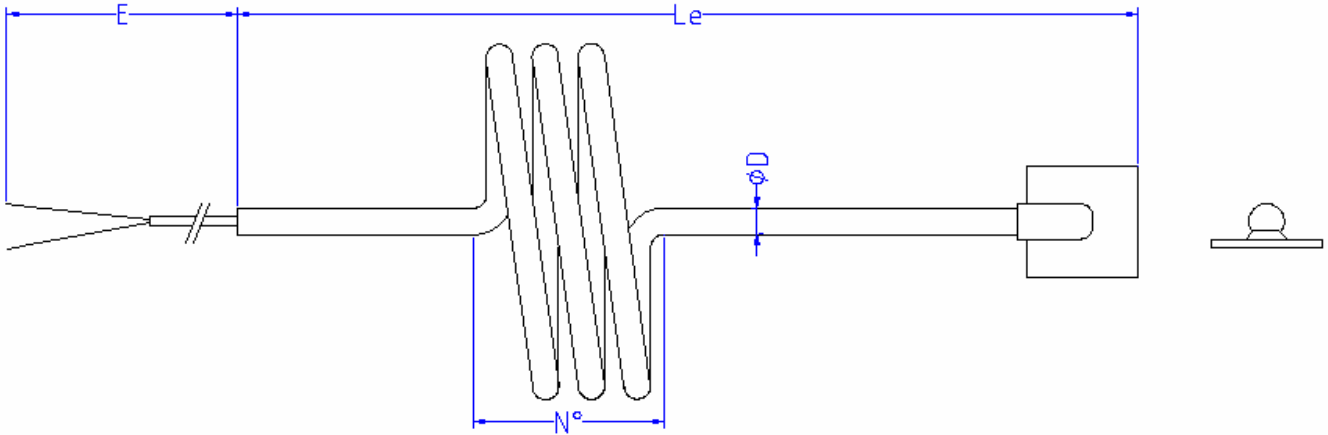



BOILER AND FURNACE THERMOCOUPLE WITH EXPANSION LOOP PAD TYPE TIP TS50 – TYPE WE



FEATURES		TECHNICAL SPECIFICATIONS	
<p>High quality thermocouple element with MgO mineral insulated metal sheathed cable, providing excellent stability and reproducibility. The correct choice of sheath material will strongly influence the stability and the life time of the thermocouples.</p> <p>The unique properties make this basic element ideally suited for a wide variety of applications up to 1200°C depending on thermocouple type and metal sheath.</p> <p>The thermocouple element is fully bendable.</p>		<ul style="list-style-type: none"> Max. temperature depending on thermocouple type and metal sheath Minimum R_{ins} : 1000 MΩ at 500 VDC, ambient Standard accuracy IEC 584 class 1 Connection wire: ANSI / IEC / DIN With special tip for welding on process pipes 	
<p>Thermocouple types</p> <p style="text-align: center;">K / N</p> <p>According to IEC 584</p>			
ORDERING INFORMATION			
TC	K	K	K
	NiCr – NiAl	NiCr – NiAl	NiCr – NiAl
Sheath	M2110	M0601	M0809
	AISI – 310	Inconel 600	Hastelloy X
Diameter	3	3.2 1/8"	4.5
	4.8	6	6.35 1/4"
	8	9.53 3/8"	12.7 1/2"
	Other on request		
Hot junction	Individual isolated (I)		Common isolated (CI)
	Hot junction electrically isolated from and shielded by the sheath		Multiple hot junctions joined to one hot junction electrically isolated from and shielded by the sheath
Colour Code	ANSI	IEC	DIN
	ANSI – MC96-1	IEC 584-1	DIN 43714
Wire	M00	M01	M02
	PVC	Teflon [®]	Kapton [®]
	polyvinyl	extruded FEP	polyimide tape
	max. +105°C	max. +260°C	-80° +360°C
Transition	Stainless steel. Same diameter as Mi cable for OD >4.8 mm . Otherwise OD9.53 mm		
	Standard potting compound: max. 120°C		
	OPTIONS		
	Overall stainless steel braiding		
	Other on request		

Weld on type												
Specification								-standard dimensions 25x25x3 mm -Material : same as thermocouple -option : other dimensions				

TC model	TC type	(S) Single (D) Dual (T) Triple	Diameter	Sheath	Hot junction	Le	Colour code	Wire	AWG	E	N° and diameter coils	
K	GF50	TC WE	S	D6.0	M0601	I	275	ANSI	M02	24	800	3-100
	GF50	TC WE										

Options

Code	Description	
KK	Adjustable compression fitting	Please indicate process thread
PR	Protection sleeve	Refrex® 1200 Braiding sleeving Alumina-Boria-Silica fiber retains strength and flexibility at continuous temperature up to 1100°C Refrex® 1400 Braiding sleeving Alumina-Boria-Silica fiber retains strength and flexibility at continuous temperature up to 1371°C Other on request
WC#	Welding clip + number	Same material as thermocouple sheath
CON	STD	No connection head
	S10/S16-N110-E407	Alu head hinged / Alu screwed type with nipple union nipple
	S20/S26-N110-E407	Alu head hinged / Alu screwed type with nipple lock nut
	XXX	Other on request
CF	Adjustable compression fitting	Mounted in union / nipple
PSH	Pre shaping of thermocouple	Specify the requested form
	SDL / SDR	Side entry down left / down right
	SUL / SUR	Side entry up left / up right
	BDL / BDR	Bottom entry down left / down right
	TUL / TUR	Top entry up left / up right
HC	Heath shield	Standard material SS310 . Other on request

How to order

Process connection	Protection sleeve	Welding clips an N°	Connection head	Compression fitting	Pre shape	Form	Heath shield
KK ¼"NPT	PR Refrax1200	WC-3	STD	CF	PSH	BDL	000