

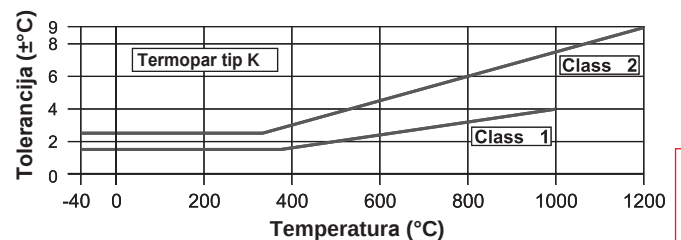
TERMOPAR SONDE ZA PRIJENOSNE UREĐAJE KLASA TOLERANCIJE ZA TERMOPAROVE

Tolerancije prema IEC 60584-2 standard. Vrijednosti se odnose na referentni spoj pri 0 °C.

Tip termopara	Klasa tolerancije 1		Klasa tolerancije 2		Klasa tolerancije 3	
	Temperaturni opseg (°C)	Tolerancija (°C)	Temperaturni opseg (°C)	Tolerancija (°C)	Temperaturni opseg (°C)	Tolerancija (°C)
B	---	---	+600...+1700	$\pm 0,0025 \cdot t$	+600...+800	± 4
	---	---	---	---	+800...+1700	$\pm 0,005 \cdot t$
E	-40...+375	$\pm 1,5$	-40...+333	$\pm 2,5$	-167...+40	$\pm 2,5$
	+375...+800	$\pm 0,004 \cdot t$	+333...+900	$\pm 0,0075 \cdot t$	-200...-167	$\pm 0,015 \cdot t$
J	-40...+375	$\pm 1,5$	-40...+333	$\pm 2,5$	---	---
	+375...+750	$\pm 0,004 \cdot t$	+333...+750	$\pm 0,0075 \cdot t$	---	---
K, N	-40...+375	$\pm 1,5$	-40...+333	$\pm 2,5$	-167...+40	$\pm 2,5$
	+375...+1000	$\pm 0,004 \cdot t$	+333...+1200	$\pm 0,0075 \cdot t$	-200...-167	$\pm 0,015 \cdot t$
R, S	0...+1100	± 1	0...+600	$\pm 1,5$	---	---
	+1100...+1600	$\pm [1+0,003 \cdot (t-1100)]$	+600...+1600	$\pm 0,0025 \cdot t$	---	---
T	-40...+125	$\pm 0,5$	-40...+133	± 1	-67...+40	± 1
	+125...+350	$\pm 0,004 \cdot t$	+133...+350	$\pm 0,0075 \cdot t$	-200...-67	$\pm 0,015 \cdot t$

Note: t = temperatura mjerenja u °C.

Delta OHM K tip termoparovi imaju klasu tolerancije 1 u radnom temperaturnom opsegu, ovisi o promjeru termoelementar.



TERMOPAR SONDE ZA PRIJENOSNE UREĐAJE

TIP "K" (CHROMEL - ALUMEL) TERMOPAR SONDE

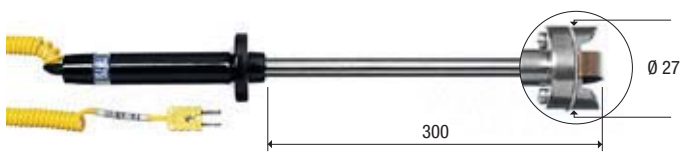
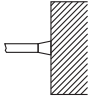
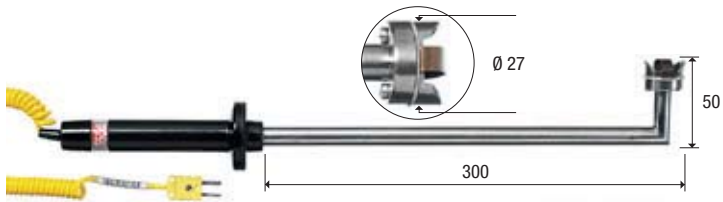
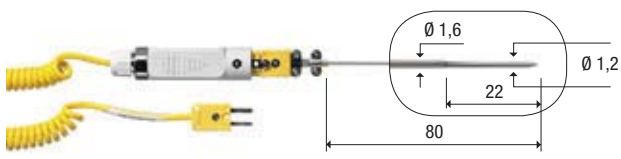
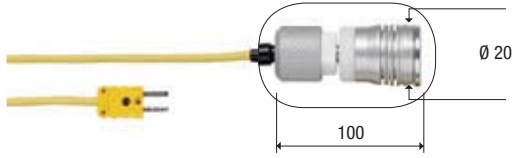
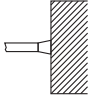
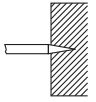
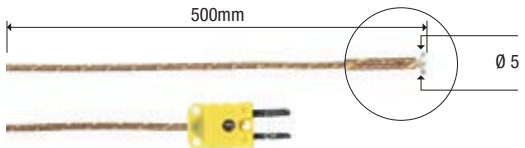
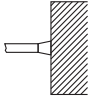
KOD	°C max	τ s	DIMENZIJE	UPOTREBA
TP 741	800	2s		
TP 741/1	400	2s		
TP 741/2	800	2s		
TP 742	400	2s		
TP 742/1	400	2s		

Temperature

TIP "K" (CHROMEL - ALUMEL) TERMOPAR SONDE

KOD	°C max	τ s	DIMENZIJE	UPOTREBA
TP 742/2	800	2s		
TP 743	800	3s		
TP 744	400	4s		
TP 745	500	5s		
TP 746	250	2s		
TP 750	1000	3s		
TP 750.0	800	3s		
TP 751	200	2s		
TP 754	500	2s		
TP 754/9	500	2s		

TIP "K" (CHROMEL - ALUMEL) TERMOPAR SONDE

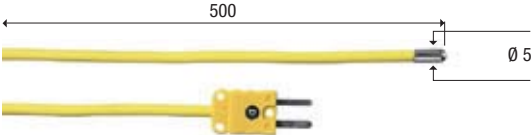
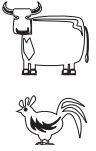
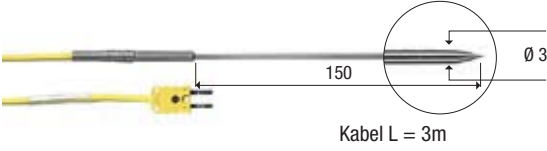
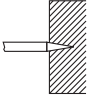
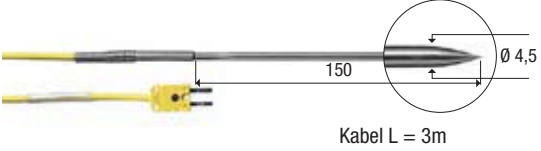
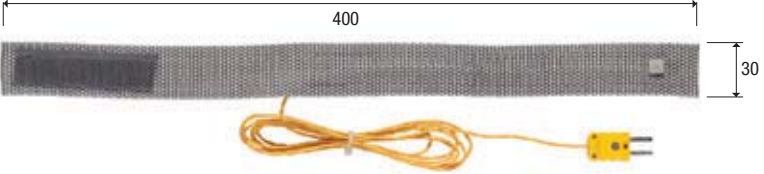
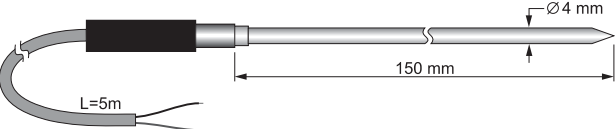
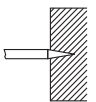
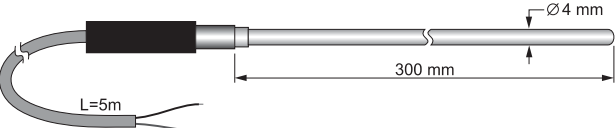
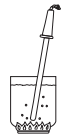
KOD	°C max	τ s	DIMENZIJE	UPOTREBA
TP 755	800	2s		
TP 755/9	800	2s		
TP 756	200	2s		
TP 757	180	30s	MAGNETSKA SONDA ZA KONTAKTNO MJERENJE NA POVRŠINI MAGNETSKIH MATERIJALA 	
TP 758	400	4s		
TP 758.1	400	4s		
TP 772	400	3s		

Temperature

TIP "K" (CHROMEL - ALUMEL) TERMOPAR SONDJE

KOD	°C max	τ s	DIMENZIJE	UPOTREBA
TP 774	250	2s		
TP 776	200	2s		
TP 777	200	3s		
TP 647 TP 647/2 TP 647/3 TP 647/5	300 300 300 300	2s 2s 2s 2s	Za ACCREDIA kalibraciju do 300°C. 1m / 2m / 3m / 5m 	
TP 651	1200	6s		
TP 652	1200	6s		
TP 655	180	2s		
TP 656	200	1s		
TP 656/1	1000	1s		
TP 656/2	1000	1s		

TIP "K" (CHROMEL - ALUMEL) TERMOPAR SONDE

KOD	°C max	τ s	DIMENZIJE	UPOTREBA
TP 657/1	100	5s		
TP 659	400	3s		
TP 660	400	4s		
TP 661	-60 +50	30s		
TP 662	110	120s	SONDA SA VELCRO TRAKOM ZA MJERENJE NA CIJEVIMA MAX 110 DIAM. 	
TP 32MT.11P	-40 +100	4s		
TP 32MT.12	-40 +100	4s		
CM CS	"K"			
PW	"K"		 Kabel = 2m, 5m, 10m, 15m, 20m	

Vrijeme odziva za 63% varijaciju ($\tau_{0.63}$)

Vrijeme odziva τ s je vrijeme reakcije osjetnika na temperaturnu varijaciju, sa varijacijom od izmjerenog signala na dati postotak (63%) od varijacije. Vremena reakcije data su:

Uronjive sonde u vodi pri 100°C.

Kontaktne sonde u dodiru sa metalnim površinama pri 200°C.

Zračne sonde pri temperaturi zraka 100°C.

Pri temperaturi iznad 400°C izbjegavati udarce i termičke šokove. Sonda se može nepovratno oštetiti.

Temperature