

Charakterystyka termometryczna termopar (zależność EMF [mV] w funkcji temperatury wg. PN-EN 60584-1: 2014-04.

°C	J	K	N	T	S	R	B
-270		-6,458	-4,345	-6,258			
-260		-6,441	-4,336	-6,232			
-250		-6,404	-4,313	-6,180			
-240		-6,344	-4,277	-6,105			
-230		-6,262	-4,226	-6,007			
-220		-6,158	-4,162	-5,888			
-210	-8,095	-6,035	-4,083	-5,753			
-200	-7,890	-5,891	-3,990	-5,603			
-190	-7,659	-5,730	-3,884	-5,439			
-180	-7,403	-5,550	-3,766	-5,261			
-170	-7,123	-5,354	-3,634	-5,070			
-160	-6,821	-5,141	-3,491	-4,865			
-150	-6,500	-4,913	-3,336	-4,648			
-140	-6,159	-4,669	-3,171	-4,419			
-130	-5,801	-4,411	-2,994	-4,177			
-120	-5,426	-4,138	-2,808	-3,923			
-110	-5,037	-3,852	-2,612	-3,657			
-100	-4,633	-3,554	-2,407	-3,379			
-90	-4,215	-3,243	-2,193	-3,089			
-80	-3,786	-2,920	-1,972	-2,788			
-70	-3,344	-2,587	-1,744	-2,476			
-60	-2,893	-2,243	-1,509	-2,153			
-50	-2,431	-1,889	-1,269	-1,819	-0,236	-0,226	
-40	-1,961	-1,527	-1,023	-1,475	-0,194	-0,188	
-30	-1,482	-1,156	-0,772	-1,121	-0,150	-0,145	
-20	-0,995	-0,778	-0,518	-0,757	-0,103	-0,100	
-10	-0,501	-0,392	-0,260	-0,383	-0,053	-0,051	
0	0,000	0,000	0,000	0,000	0,000	0,000	0,000
10	0,507	0,397	0,261	0,391	0,055	0,054	-0,002
20	1,019	0,798	0,525	0,790	0,113	0,111	-0,003
30	1,537	1,203	0,793	1,196	0,173	0,171	-0,002
40	2,059	1,612	1,065	1,612	0,235	0,232	0,000
50	2,585	2,023	1,340	2,036	0,299	0,296	0,002
60	3,116	2,436	1,619	2,468	0,365	0,363	0,006
70	3,650	2,851	1,902	2,909	0,433	0,431	0,011
80	4,187	3,267	2,189	3,358	0,502	0,501	0,017
90	4,726	3,682	2,480	3,814	0,573	0,573	0,025
100	5,269	4,096	2,774	4,279	0,646	0,647	0,033
110	5,814	4,509	3,072	4,750	0,720	0,723	0,043
120	6,360	4,920	3,374	5,228	0,795	0,800	0,053
130	6,909	5,328	3,680	5,714	0,872	0,879	0,065
140	7,459	5,735	3,989	6,206	0,950	0,959	0,078
150	8,010	6,138	4,302	6,704	1,029	1,041	0,092
160	8,562	6,540	4,618	7,209	1,110	1,124	0,107
170	9,115	6,941	4,937	7,720	1,191	1,208	0,123
180	9,669	7,340	5,259	8,237	1,273	1,294	0,141
190	10,224	7,738	5,585	8,759	1,357	1,381	0,159
200	10,779	8,138	5,913	9,288	1,441	1,469	0,178
210	11,334	8,539	6,245	9,822	1,526	1,558	0,199
220	11,889	8,940	6,579	10,362	1,612	1,648	0,220
230	12,445	9,343	6,916	10,907	1,698	1,739	0,243
240	13,000	9,747	7,255	11,458	1,786	1,831	0,267
250	13,555	10,153	7,597	12,013	1,874	1,923	0,291
260	14,110	10,561	7,941	12,574	1,962	2,017	0,317
270	14,665	10,971	8,288	13,139	2,052	2,112	0,344
280	15,219	11,382	8,637	13,709	2,141	2,207	0,372
290	15,773	11,795	8,988	14,283	2,232	2,304	0,401
300	16,327	12,209	9,341	14,862	2,323	2,401	0,431
310	16,881	12,624	9,696	15,445	2,415	2,498	0,462
320	17,434	13,040	10,054	16,032	2,507	2,597	0,494
330	17,986	13,457	10,413	16,624	2,599	2,696	0,527
340	18,538	13,874	10,774	17,219	2,692	2,796	0,561
350	19,090	14,293	11,136	17,819	2,786	2,896	0,596
360	19,642	14,713	11,501	18,422	2,880	2,997	0,632
370	20,194	15,133	11,867	19,030	2,974	3,099	0,669

°C	J	K	N	T	S	R	B
380	20,745	15,554	12,234	19,641	3,069	3,201	0,707
390	21,297	15,975	12,603	20,255	3,164	3,304	0,746
400	21,848	16,397	12,974	20,872	3,259	3,408	0,787
410	22,400	16,820	13,346		3,355	3,512	0,828
420	22,952	17,243	13,719		3,451	3,616	0,870
430	23,504	17,667	14,094		3,548	3,721	0,913
440	24,057	18,091	14,469		3,645	3,827	0,957
450	24,610	18,516	14,846		3,742	3,933	1,002
460	25,164	18,941	15,225		3,840	4,040	1,048
470	25,720	19,366	15,604		3,938	4,147	1,095
480	26,276	19,792	15,984		4,036	4,255	1,143
490	26,834	20,218	16,366		4,134	4,363	1,192
500	27,393	20,644	16,748		4,233	4,471	1,242
510	27,953	21,071	17,131		4,332	4,580	1,293
520	28,516	21,497	17,515		4,432	4,690	1,344
530	29,080	21,924	17,900		4,532	4,800	1,397
540	29,647	22,350	18,286		4,632	4,910	1,451
550	30,216	22,776	18,672		4,732	5,021	1,505
560	30,788	23,203	19,059		4,833	5,133	1,561
570	31,362	23,629	19,447		4,934	5,245	1,617
580	31,939	24,055	19,835		5,035	5,357	1,674
590	32,519	24,480	20,224		5,137	5,470	1,732
600	33,102	24,905	20,613		5,239	5,583	1,792
610	33,689	25,330	21,003		5,341	5,697	1,852
620	34,279	25,755	21,393		5,443	5,812	1,912
630	34,873	26,179	21,784		5,546	5,926	1,974
640	35,470	26,602	22,175		5,649	6,041	2,037
650	36,071	27,025	22,566		5,753	6,157	2,101
660	36,675	27,447	22,958		5,857	6,273	2,165
670	37,284	27,869	23,350		5,961	6,390	2,230
680	37,896	28,289	23,742		6,065	6,507	2,296
690	38,512	28,710	24,134		6,170	6,625	2,363
700	39,132	29,129	24,527		6,275	6,743	2,431
710	39,755	29,548	24,919		6,381	6,861	2,499
720	40,382	29,965	25,312		6,486	6,980	2,569
730	41,012	30,382	25,705		6,593	7,100	2,639
740	41,645	30,798	26,098		6,699	7,220	2,710
750	42,281	31,213	26,491		6,806	7,340	2,782
760	42,919	31,628	26,883		6,913	7,461	2,854
770	43,559	32,041	27,276		7,020	7,583	2,928
780	44,203	32,453	27,669		7,128	7,705	3,002
790	44,848	32,865	28,062		7,236	7,827	3,078
800	45,494	33,275	28,455		7,345	7,950	3,154
810	46,141	33,685	28,847		7,454	8,073	3,230
820	46,786	34,093	29,239		7,563	8,197	3,308
830	47,431	34,501	29,632		7,673	8,321	3,386
840	48,074	34,908	30,024		7,783	8,446	3,466
850	48,715	35,313	30,416		7,893	8,571	3,546
860	49,353	35,718	30,807		8,003	8,697	3,626
870	49,989	36,121	31,199		8,114	8,823	3,708
880	50,622	36,524	31,590		8,226	8,950	3,790
890	51,251	36,925	31,981		8,337	9,077	3,873
900	51,877	37,326	32,371		8,449	9,205	3,957
910	52,500	37,725	32,761		8,562	9,333	4,041
920	53,119	38,124	33,151		8,674	9,461	4,127
930	53,735	38,522	33,541		8,787	9,590	4,213
940	54,347	38,918	33,930		8,900	9,720	4,299
950	54,956	39,314	34,319		9,014	9,850	4,387
960	55,561	39,708	34,707		9,128	9,980	4,475
970	56,164	40,101	35,095		9,242	10,111	4,564
980	56,763	40,494	35,482		9,357	10,242	4,653
990	57,360	40,885	35,869		9,472	10,374	4,743
1000	57,953	41,276	36,256		9,587	10,506	4,834
1010	58,545	41,665	36,641		9,703	10,638	4,926
1020	59,134	42,053	37,027		9,819	10,771	5,018

°C	J	K	N	T	S	R	B
1030	59,721	42,440	37,411		9,935	10,905	5,111
1040	60,307	42,826	37,795		10,051	11,039	5,205
1050	60,890	43,211	38,179		10,168	11,173	5,299
1060	61,473	43,595	38,562		10,285	11,307	5,394
1070	62,054	43,978	38,944		10,403	11,442	5,489
1080	62,634	44,359	39,326		10,520	11,578	5,585
1090	63,214	44,740	39,706		10,638	11,714	5,682
1100	63,792	45,119	40,087		10,757	11,850	5,780
1110	64,370	45,497	40,466		10,875	11,986	5,878
1120	64,948	45,873	40,845		10,994	12,123	5,976
1130	65,525	46,249	41,223		11,113	12,260	6,075
1140	66,102	46,623	41,600		11,232	12,397	6,175
1150	66,679	46,995	41,976		11,351	12,535	6,276
1160	67,255	47,367	42,352		11,471	12,673	6,377
1170	67,831	47,737	42,727		11,590	12,812	6,478
1180	68,406	48,105	43,101		11,710	12,950	6,580
1190	68,980	48,473	43,474		11,830	13,089	6,683
1200	69,553	48,838	43,846		11,951	13,228	6,786
1210		49,202	44,218		12,071	13,367	6,890
1220		49,565	44,588		12,191	13,507	6,995
1230		49,926	44,958		12,312	13,646	7,100
1240		50,286	45,326		12,433	13,786	7,205
1250		50,644	45,694		12,554	13,926	7,311
1260		51,000	46,060		12,675	14,066	7,417
1270		51,355	46,425		12,796	14,207	7,524
1280		51,708	46,789		12,917	14,347	7,632
1290		52,060	47,152		13,038	14,488	7,740
1300		52,410	47,513		13,159	14,629	7,848
1310		52,759			13,280	14,770	7,957
1320		53,106			13,402	14,911	8,066
1330		53,451			13,523	15,052	8,176
1340		53,795			13,644	15,193	8,286
1350		54,138			13,766	15,334	8,397
1360		54,479			13,887	15,475	8,508
1370		54,819			14,009	15,616	8,620
1380					14,130	15,758	8,731
1390					14,251	15,899	8,844
1400					14,373	16,040	8,956
1410					14,494	16,181	9,069
1420					14,615	16,323	9,182

°C	J	K	N	T	S	R	B
1430					14,736	16,464	9,296
1440					14,857	16,605	9,410
1450					14,978	16,746	9,524
1460					15,099	16,887	9,639
1470					15,220	17,028	9,753
1480					15,341	17,169	9,868
1490					15,461	17,310	9,984
1500					15,582	17,451	10,099
1510					15,702	17,591	10,215
1520					15,822	17,732	10,331
1530					15,942	17,872	10,447
1540					16,062	18,012	10,563
1550					16,182	18,152	10,679
1560					16,301	18,292	10,796
1570					16,420	18,431	10,913
1580					16,539	18,571	11,029
1590					16,658	18,710	11,146
1600					16,777	18,849	11,263
1610					16,895	18,988	11,380
1620					17,013	19,126	11,497
1630					17,131	19,264	11,614
1640					17,249	19,402	11,731
1650					17,366	19,540	11,848
1660					17,483	19,677	11,965
1670					17,600	19,814	12,082
1680					17,717	19,951	12,199
1690					17,832	20,087	12,316
1700					17,947	20,222	12,433
1710					18,061	20,356	12,549
1720					18,174	20,488	12,666
1730					18,285	20,620	12,782
1740					18,395	20,749	12,898
1750					18,503	20,877	13,014
1760					18,609	21,003	13,130
1770							13,246
1780							13,361
1790							13,476
1800							13,591
1810							13,706
1820							13,820