

Základní hodnoty termoelektrického napětí - termočlánek "E"

°C	0	1	2	3	4	5	6	7	8	9	10	°C
430	31,354	31,434	31,515	31,595	31,676	31,756	31,837	31,917	31,998	32,078	32,159	430
440	32,159	32,239	32,320	32,400	32,481	32,562	32,642	32,723	32,803	32,884	32,965	440
450	32,965	33,045	33,126	33,207	33,287	33,368	33,449	33,529	33,610	33,691	33,772	450
460	33,772	33,852	33,933	34,014	34,095	34,175	34,256	34,337	34,418	34,498	34,579	460
470	34,579	34,660	34,741	34,822	34,902	34,983	35,064	35,145	35,226	35,307	35,387	470
480	35,387	35,468	35,549	35,630	35,711	35,792	35,873	35,954	36,034	36,115	36,196	480
490	36,196	36,277	36,358	36,439	36,520	36,601	36,682	36,763	36,843	36,924	37,005	490
500	37,005	37,086	37,167	37,248	37,329	37,410	37,491	37,572	37,653	37,734	37,815	500
510	37,815	37,896	37,977	38,058	38,139	38,220	38,300	38,381	38,462	38,543	38,624	510
520	38,624	38,705	38,786	38,867	38,948	39,029	39,110	39,191	39,272	39,353	39,434	520
530	39,434	39,515	39,596	39,677	39,758	39,839	39,920	40,001	40,082	40,163	40,243	530
540	40,243	40,324	40,405	40,486	40,567	40,648	40,729	40,810	40,891	40,972	41,053	540
550	41,053	41,134	41,215	41,296	41,377	41,457	41,538	41,619	41,700	41,781	41,862	550
560	41,862	41,943	42,024	42,105	42,185	42,266	42,347	42,428	42,509	42,590	42,671	560
570	42,671	42,751	42,832	42,913	42,994	43,075	43,156	43,236	43,317	43,398	43,479	570
580	43,479	43,560	43,640	43,721	43,802	43,883	43,963	44,044	44,125	44,206	44,286	580
590	44,286	44,367	44,448	44,529	44,609	44,690	44,771	44,851	44,932	45,013	45,093	590
600	45,093	45,174	45,255	45,335	45,416	45,497	45,577	45,658	45,738	45,819	45,900	600
610	45,900	45,980	46,061	46,141	46,222	46,302	46,383	46,463	46,544	46,624	46,705	610
620	46,705	46,785	46,866	46,946	47,027	47,107	47,188	47,268	47,349	47,429	47,509	620
630	47,509	47,590	47,670	47,751	47,831	47,911	47,992	48,072	48,152	48,233	48,313	630
640	48,313	48,393	48,474	48,554	48,634	48,715	48,795	48,875	48,955	49,035	49,116	640
650	49,116	49,196	49,276	49,356	49,436	49,517	49,597	49,677	49,757	49,837	49,917	650
660	49,917	49,997	50,077	50,157	50,238	50,318	50,398	50,478	50,558	50,638	50,718	660
670	50,718	50,798	50,878	50,958	51,038	51,118	51,197	51,277	51,357	51,437	51,517	670
680	51,517	51,597	51,677	51,757	51,837	51,916	51,996	52,076	52,156	52,236	52,315	680
690	52,315	52,395	52,475	52,555	52,634	52,714	52,794	52,873	52,953	53,033	53,112	690
700	53,112	53,192	53,272	53,351	53,431	53,510	53,590	53,670	53,749	53,829	53,908	700
710	53,908	53,988	54,067	54,147	54,226	54,306	54,385	54,465	54,544	54,624	54,703	710
720	54,703	54,782	54,862	54,941	55,021	55,100	55,179	55,259	55,338	55,417	55,497	720
730	55,497	55,576	55,655	55,734	55,814	55,893	55,972	56,051	56,131	56,210	56,289	730
740	56,289	56,368	56,447	56,526	56,606	56,685	56,764	56,843	56,922	57,001	57,080	740
750	57,080	57,159	57,238	57,317	57,396	57,475	57,554	57,633	57,712	57,791	57,870	750
760	57,870	57,949	58,028	58,107	58,186	58,265	58,343	58,422	58,501	58,580	58,659	760
770	58,659	58,738	58,816	58,895	58,974	59,053	59,131	59,210	59,289	59,367	59,446	770
780	59,446	59,525	59,604	59,682	59,761	59,839	59,918	59,997	60,075	60,154	60,232	780
790	60,232	60,311	60,390	60,468	60,547	60,625	60,704	60,782	60,860	60,939	61,017	790
800	61,017	61,096	61,174	61,253	61,331	61,409	61,488	61,566	61,644	61,723	61,801	800
810	61,801	61,879	61,958	62,036	62,114	62,192	62,271	62,349	62,427	62,505	62,583	810
820	62,583	62,662	62,740	62,818	62,896	62,974	63,052	63,130	63,208	63,286	63,364	820
830	63,364	63,442	63,520	63,598	63,676	63,754	63,832	63,910	63,988	64,066	64,144	830
840	64,144	64,222	64,300	64,377	64,455	64,533	64,611	64,689	64,766	64,844	64,922	840
850	64,922	65,000	65,077	65,155	65,233	65,310	65,388	65,465	65,543	65,621	65,698	850
860	65,698	65,776	65,853	65,931	66,008	66,086	66,163	66,241	66,318	66,396	66,473	860
870	66,473	66,550	66,628	66,705	66,782	66,860	66,937	67,014	67,092	67,169	67,246	870
880	67,246	67,323	67,400	67,478	67,555	67,632	67,709	67,786	67,863	67,940	68,017	880
890	68,017	68,094	68,171	68,248	68,325	68,402	68,479	68,556	68,633	68,710	68,787	890
900	68,787	68,863	68,940	69,017	69,094	69,171	69,247	69,324	69,401	69,477	69,554	900
910	69,554	69,631	69,707	69,784	69,860	69,937	70,013	70,090	70,166	70,243	70,319	910
920	70,319	70,396	70,472	70,548	70,625	70,701	70,777	70,854	70,930	71,006	71,082	920
930	71,082	71,159	71,235	71,311	71,387	71,463	71,539	71,615	71,692	71,768	71,844	930
940	71,844	71,920	71,996	72,072	72,147	72,223	72,299	72,375	72,451	72,527	72,603	940
950	72,603	72,678	72,754	72,830	72,906	72,981	73,057	73,133	73,208	73,284	73,360	950
960	73,360	73,435	73,511	73,586	73,662	73,738	73,813	73,889	73,964	74,040	74,115	960
970	74,115	74,190	74,266	74,341	74,417	74,492	74,567	74,643	74,718	74,793	74,869	970
980	74,869	74,944	75,019	75,095	75,170	75,245	75,320	75,395	75,471	75,546	75,621	980
990	75,621	75,696	75,771	75,847	75,922	75,997	76,072	76,147	76,223	76,298	76,373	990
1000	76,373											

$$U_T = \text{tab}(t_M) - \text{tab}(t_S)$$

U_T ... napětí na termočlánek [mV]

t_M ... měřená teplota [°C]

t_S ... srovnávací teplota [°C]

tab() ... hodnota v tabulce pro určitou teplotu a určitý typ termočlánku [°C]