

Type K Thermocouple Temperature Vs. Voltage

Values are in millivolts

| Temp °C | -0 | -1 | -2 | -3 | -4 | -5 | -6 | -7 | -8 | -9 |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| -270 | -6.45774 | | | | | | | | | |
| -260 | -6.44109 | -6.44365 | -6.44600 | -6.44815 | -6.45009 | -6.45183 | -6.45339 | -6.45475 | -6.45592 | -6.45692 |
| -250 | -6.40361 | -6.40835 | -6.41287 | -6.41717 | -6.42124 | -6.42509 | -6.42873 | -6.43214 | -6.43534 | -6.43832 |
| -240 | -6.34383 | -6.35081 | -6.35758 | -6.36412 | -6.37043 | -6.37652 | -6.38239 | -6.38803 | -6.39345 | -6.39864 |
| -230 | -6.26184 | -6.27102 | -6.27998 | -6.28873 | -6.29726 | -6.30557 | -6.31366 | -6.32154 | -6.32919 | -6.33662 |
| -220 | -6.15842 | -6.16970 | -6.18077 | -6.19164 | -6.20230 | -6.21275 | -6.22299 | -6.23302 | -6.24284 | -6.25244 |
| -210 | -6.03461 | -6.04788 | -6.06095 | -6.07383 | -6.08652 | -6.09900 | -6.11129 | -6.12337 | -6.13526 | -6.14694 |
| -200 | -5.89140 | -5.90657 | -5.92155 | -5.93634 | -5.95095 | -5.96537 | -5.97960 | -5.99364 | -6.00749 | -6.02114 |
| -190 | -5.72972 | -5.74670 | -5.76350 | -5.78012 | -5.79656 | -5.81282 | -5.82890 | -5.84480 | -5.86052 | -5.87605 |
| -180 | -5.55035 | -5.56906 | -5.58760 | -5.60597 | -5.62417 | -5.64220 | -5.66005 | -5.67773 | -5.69524 | -5.71257 |
| -170 | -5.35398 | -5.37436 | -5.39458 | -5.41463 | -5.43452 | -5.45425 | -5.47380 | -5.49319 | -5.51241 | -5.53146 |
| -160 | -5.14123 | -5.16323 | -5.18506 | -5.20674 | -5.22826 | -5.24961 | -5.27081 | -5.29184 | -5.31272 | -5.33343 |
| -150 | -4.91271 | -4.93625 | -4.95965 | -4.98289 | -5.00597 | -5.02891 | -5.05168 | -5.07431 | -5.09677 | -5.11908 |
| -140 | -4.66898 | -4.69402 | -4.71891 | -4.74366 | -4.76826 | -4.79271 | -4.81701 | -4.84116 | -4.86516 | -4.88901 |
| -130 | -4.41062 | -4.43710 | -4.46343 | -4.48963 | -4.51568 | -4.54159 | -4.56736 | -4.59298 | -4.61846 | -4.64379 |
| -120 | -4.13821 | -4.16607 | -4.19379 | -4.22137 | -4.24882 | -4.27613 | -4.30331 | -4.33034 | -4.35724 | -4.38400 |
| -110 | -3.85235 | -3.88152 | -3.91057 | -3.93948 | -3.96827 | -3.99692 | -4.02545 | -4.05384 | -4.08210 | -4.11022 |
| -100 | -3.55363 | -3.58406 | -3.61437 | -3.64456 | -3.67462 | -3.70456 | -3.73437 | -3.76405 | -3.79361 | -3.82304 |
| -90 | -3.24268 | -3.27431 | -3.30582 | -3.33721 | -3.36849 | -3.39965 | -3.43068 | -3.46160 | -3.49240 | -3.52308 |
| -80 | -2.92013 | -2.95289 | -2.98553 | -3.01807 | -3.05050 | -3.08281 | -3.11501 | -3.14710 | -3.17908 | -3.21094 |
| -70 | -2.58662 | -2.62045 | -2.65417 | -2.68778 | -2.72130 | -2.75470 | -2.78800 | -2.82119 | -2.85428 | -2.88726 |
| -60 | -2.24282 | -2.27765 | -2.31237 | -2.34700 | -2.38153 | -2.41597 | -2.45030 | -2.48453 | -2.51866 | -2.55269 |
| -50 | -1.88938 | -1.92514 | -1.96081 | -1.99639 | -2.03187 | -2.06727 | -2.10257 | -2.13777 | -2.17288 | -2.20790 |
| -40 | -1.52695 | -1.56358 | -1.60012 | -1.63659 | -1.67296 | -1.70925 | -1.74545 | -1.78157 | -1.81760 | -1.85353 |
| -30 | -1.15613 | -1.19357 | -1.23094 | -1.26822 | -1.30542 | -1.34255 | -1.37959 | -1.41656 | -1.45344 | -1.49023 |
| -20 | -0.77754 | -0.81573 | -0.85385 | -0.89190 | -0.92987 | -0.96777 | -1.00559 | -1.04334 | -1.08101 | -1.11861 |
| -10 | -0.39185 | -0.43072 | -0.46952 | -0.50826 | -0.54693 | -0.58554 | -0.62407 | -0.66254 | -0.70095 | -0.73928 |
| - 0 | 0.00000 | -0.03943 | -0.07880 | -0.11813 | -0.15740 | -0.19662 | -0.23579 | -0.27489 | -0.31394 | -0.35293 |

| Temp °C | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0 | 0.00000 | 0.03947 | 0.07900 | 0.11857 | 0.15819 | 0.19785 | 0.23756 | 0.27732 | 0.31712 | 0.35697 |
| 10 | 0.39686 | 0.43680 | 0.47678 | 0.51680 | 0.55686 | 0.59697 | 0.63712 | 0.67731 | 0.71754 | 0.75781 |
| 20 | 0.79812 | 0.83847 | 0.87886 | 0.91928 | 0.95974 | 1.00024 | 1.04078 | 1.08135 | 1.12196 | 1.16260 |

Type K Thermocouple Temperature Vs. Voltage

Values are in millivolts

| Temp °C | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 30 | 1.20327 | 1.24398 | 1.28473 | 1.32550 | 1.36631 | 1.40715 | 1.44802 | 1.48892 | 1.52985 | 1.57081 |
| 40 | 1.61179 | 1.65281 | 1.69385 | 1.73492 | 1.77601 | 1.81713 | 1.85827 | 1.89944 | 1.94063 | 1.98184 |
| 50 | 2.02308 | 2.06433 | 2.10561 | 2.14691 | 2.18822 | 2.22956 | 2.27091 | 2.31227 | 2.35366 | 2.39506 |
| 60 | 2.43647 | 2.47790 | 2.51934 | 2.56079 | 2.60226 | 2.64373 | 2.68522 | 2.72672 | 2.76822 | 2.80973 |
| 70 | 2.85125 | 2.89277 | 2.93430 | 2.97584 | 3.01738 | 3.05892 | 3.10046 | 3.14201 | 3.18355 | 3.22510 |
| 80 | 3.26664 | 3.30819 | 3.34973 | 3.39126 | 3.43280 | 3.47433 | 3.51585 | 3.55737 | 3.59888 | 3.64038 |
| 90 | 3.68188 | 3.72337 | 3.76484 | 3.80631 | 3.84776 | 3.88921 | 3.93064 | 3.97206 | 4.01346 | 4.05485 |
| 100 | 4.09623 | 4.13759 | 4.17894 | 4.22026 | 4.26158 | 4.30287 | 4.34415 | 4.38540 | 4.42664 | 4.46786 |
| 110 | 4.50906 | 4.55024 | 4.59140 | 4.63254 | 4.67365 | 4.71475 | 4.75582 | 4.79687 | 4.83790 | 4.87890 |
| 120 | 4.91988 | 4.96084 | 5.00178 | 5.04269 | 5.08357 | 5.12444 | 5.16528 | 5.20609 | 5.24688 | 5.28765 |
| 130 | 5.32839 | 5.36911 | 5.40981 | 5.45048 | 5.49113 | 5.53175 | 5.57235 | 5.61292 | 5.65347 | 5.69400 |
| 140 | 5.73451 | 5.77499 | 5.81545 | 5.85589 | 5.89630 | 5.93670 | 5.97707 | 6.01742 | 6.05775 | 6.09806 |
| 150 | 6.13834 | 6.17861 | 6.21886 | 6.25909 | 6.29931 | 6.33950 | 6.37968 | 6.41984 | 6.45998 | 6.50010 |
| 160 | 6.54022 | 6.58031 | 6.62039 | 6.66046 | 6.70051 | 6.74056 | 6.78058 | 6.82060 | 6.86061 | 6.90060 |
| 170 | 6.94059 | 6.98056 | 7.02053 | 7.06049 | 7.10044 | 7.14039 | 7.18032 | 7.22026 | 7.26018 | 7.30010 |
| 180 | 7.34002 | 7.37994 | 7.41985 | 7.45976 | 7.49967 | 7.53958 | 7.57949 | 7.61939 | 7.65930 | 7.69921 |
| 190 | 7.73912 | 7.77904 | 7.81896 | 7.85888 | 7.89880 | 7.93873 | 7.97867 | 8.01861 | 8.05856 | 8.09851 |
| 200 | 8.13847 | 8.17844 | 8.21842 | 8.25841 | 8.29840 | 8.33841 | 8.37842 | 8.41845 | 8.45848 | 8.49853 |
| 210 | 8.53859 | 8.57866 | 8.61874 | 8.65884 | 8.69895 | 8.73907 | 8.77921 | 8.81936 | 8.85952 | 8.89970 |
| 220 | 8.93989 | 8.98010 | 9.02032 | 9.06056 | 9.10082 | 9.14109 | 9.18138 | 9.22168 | 9.26200 | 9.30233 |
| 230 | 9.34269 | 9.38305 | 9.42344 | 9.46384 | 9.50426 | 9.54470 | 9.58516 | 9.62563 | 9.66612 | 9.70663 |
| 240 | 9.74715 | 9.78769 | 9.82825 | 9.86883 | 9.90943 | 9.95004 | 9.99067 | 10.0313 | 10.0720 | 10.1127 |
| 250 | 10.1534 | 10.1941 | 10.2348 | 10.2756 | 10.3163 | 10.3571 | 10.3979 | 10.4388 | 10.4796 | 10.5205 |
| 260 | 10.5613 | 10.6022 | 10.6431 | 10.6840 | 10.7250 | 10.7659 | 10.8069 | 10.8479 | 10.8889 | 10.9299 |
| 270 | 10.9709 | 11.0120 | 11.0531 | 11.0941 | 11.1352 | 11.1763 | 11.2175 | 11.2586 | 11.2998 | 11.3409 |
| 280 | 11.3821 | 11.4233 | 11.4645 | 11.5058 | 11.5470 | 11.5882 | 11.6295 | 11.6708 | 11.7121 | 11.7534 |
| 290 | 11.7947 | 11.8360 | 11.8774 | 11.9187 | 11.9601 | 12.0015 | 12.0429 | 12.0843 | 12.1257 | 12.1671 |
| 300 | 12.2086 | 12.2500 | 12.2915 | 12.3330 | 12.3744 | 12.4159 | 12.4574 | 12.4990 | 12.5405 | 12.5820 |
| 310 | 12.6236 | 12.6651 | 12.7067 | 12.7483 | 12.7899 | 12.8315 | 12.8731 | 12.9147 | 12.9563 | 12.9980 |
| 320 | 13.0396 | 13.0813 | 13.1230 | 13.1646 | 13.2063 | 13.2480 | 13.2897 | 13.3314 | 13.3731 | 13.4149 |
| 330 | 13.4566 | 13.4984 | 13.5401 | 13.5819 | 13.6237 | 13.6654 | 13.7072 | 13.7490 | 13.7908 | 13.8327 |
| 340 | 13.8745 | 13.9163 | 13.9582 | 14.0000 | 14.0419 | 14.0837 | 14.1256 | 14.1675 | 14.2094 | 14.2512 |
| 350 | 14.2931 | 14.3351 | 14.3770 | 14.4189 | 14.4608 | 14.5028 | 14.5447 | 14.5867 | 14.6286 | 14.6706 |
| 360 | 14.7126 | 14.7546 | 14.7965 | 14.8385 | 14.8806 | 14.9226 | 14.9646 | 15.0066 | 15.0486 | 15.0907 |

Type K Thermocouple Temperature Vs. Voltage

Values are in millivolts

| Temp °C | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 370 | 15.1327 | 15.1748 | 15.2168 | 15.2589 | 15.3010 | 15.3431 | 15.3851 | 15.4272 | 15.4693 | 15.5114 |
| 380 | 15.5536 | 15.5957 | 15.6378 | 15.6799 | 15.7221 | 15.7642 | 15.8064 | 15.8485 | 15.8907 | 15.9329 |
| 390 | 15.9750 | 16.0172 | 16.0594 | 16.1016 | 16.1438 | 16.1860 | 16.2282 | 16.2704 | 16.3127 | 16.3549 |
| 400 | 16.3971 | 16.4394 | 16.4816 | 16.5239 | 16.5662 | 16.6084 | 16.6507 | 16.6930 | 16.7353 | 16.7775 |
| 410 | 16.8198 | 16.8621 | 16.9044 | 16.9468 | 16.9891 | 17.0314 | 17.0737 | 17.1161 | 17.1584 | 17.2007 |
| 420 | 17.2431 | 17.2854 | 17.3278 | 17.3702 | 17.4125 | 17.4549 | 17.4973 | 17.5397 | 17.5821 | 17.6245 |
| 430 | 17.6669 | 17.7093 | 17.7517 | 17.7941 | 17.8365 | 17.8789 | 17.9214 | 17.9638 | 18.0062 | 18.0487 |
| 440 | 18.0911 | 18.1336 | 18.1760 | 18.2185 | 18.2609 | 18.3034 | 18.3459 | 18.3884 | 18.4308 | 18.4733 |
| 450 | 18.5158 | 18.5583 | 18.6008 | 18.6433 | 18.6858 | 18.7283 | 18.7708 | 18.8133 | 18.8559 | 18.8984 |
| 460 | 18.9409 | 18.9834 | 19.0260 | 19.0685 | 19.1110 | 19.1536 | 19.1961 | 19.2387 | 19.2812 | 19.3238 |
| 470 | 19.3663 | 19.4089 | 19.4515 | 19.4940 | 19.5366 | 19.5792 | 19.6218 | 19.6643 | 19.7069 | 19.7495 |
| 480 | 19.7921 | 19.8347 | 19.8773 | 19.9199 | 19.9625 | 20.0051 | 20.0477 | 20.0903 | 20.1329 | 20.1755 |
| 490 | 20.2181 | 20.2607 | 20.3033 | 20.3459 | 20.3885 | 20.4312 | 20.4738 | 20.5164 | 20.5590 | 20.6017 |
| 500 | 20.6443 | 20.6869 | 20.7295 | 20.7722 | 20.8148 | 20.8574 | 20.9001 | 20.9427 | 20.9854 | 21.0280 |
| 510 | 21.0706 | 21.1133 | 21.1559 | 21.1986 | 21.2412 | 21.2838 | 21.3265 | 21.3691 | 21.4118 | 21.4544 |
| 520 | 21.4971 | 21.5397 | 21.5824 | 21.6250 | 21.6677 | 21.7103 | 21.7530 | 21.7956 | 21.8383 | 21.8809 |
| 530 | 21.9236 | 21.9662 | 22.0089 | 22.0515 | 22.0942 | 22.1368 | 22.1794 | 22.2221 | 22.2647 | 22.3074 |
| 540 | 22.3500 | 22.3927 | 22.4353 | 22.4780 | 22.5206 | 22.5632 | 22.6059 | 22.6485 | 22.6912 | 22.7338 |
| 550 | 22.7764 | 22.8191 | 22.8617 | 22.9043 | 22.9470 | 22.9896 | 23.0322 | 23.0748 | 23.1175 | 23.1601 |
| 560 | 23.2027 | 23.2453 | 23.2879 | 23.3306 | 23.3732 | 23.4158 | 23.4584 | 23.5010 | 23.5436 | 23.5862 |
| 570 | 23.6288 | 23.6714 | 23.7140 | 23.7566 | 23.7992 | 23.8418 | 23.8843 | 23.9269 | 23.9695 | 24.0121 |
| 580 | 24.0547 | 24.0972 | 24.1398 | 24.1824 | 24.2249 | 24.2675 | 24.3100 | 24.3526 | 24.3951 | 24.4377 |
| 590 | 24.4802 | 24.5228 | 24.5653 | 24.6078 | 24.6504 | 24.6929 | 24.7354 | 24.7779 | 24.8204 | 24.8630 |
| 600 | 24.9055 | 24.9480 | 24.9905 | 25.0330 | 25.0755 | 25.1179 | 25.1604 | 25.2029 | 25.2454 | 25.2878 |
| 610 | 25.3303 | 25.3728 | 25.4152 | 25.4577 | 25.5001 | 25.5426 | 25.5850 | 25.6275 | 25.6699 | 25.7123 |
| 620 | 25.7547 | 25.7971 | 25.8395 | 25.8820 | 25.9244 | 25.9668 | 26.0091 | 26.0515 | 26.0939 | 26.1363 |
| 630 | 26.1786 | 26.2210 | 26.2634 | 26.3057 | 26.3481 | 26.3904 | 26.4328 | 26.4751 | 26.5174 | 26.5597 |
| 640 | 26.6020 | 26.6444 | 26.6867 | 26.7290 | 26.7712 | 26.8135 | 26.8558 | 26.8981 | 26.9403 | 26.9826 |
| 650 | 27.0249 | 27.0671 | 27.1094 | 27.1516 | 27.1938 | 27.2360 | 27.2783 | 27.3205 | 27.3627 | 27.4049 |
| 660 | 27.4471 | 27.4893 | 27.5314 | 27.5736 | 27.6158 | 27.6579 | 27.7001 | 27.7422 | 27.7844 | 27.8265 |
| 670 | 27.8686 | 27.9107 | 27.9528 | 27.9949 | 28.0370 | 28.0791 | 28.1212 | 28.1633 | 28.2054 | 28.2474 |
| 680 | 28.2895 | 28.3315 | 28.3736 | 28.4156 | 28.4576 | 28.4996 | 28.5416 | 28.5836 | 28.6256 | 28.6676 |
| 690 | 28.7096 | 28.7516 | 28.7935 | 28.8355 | 28.8774 | 28.9194 | 28.9613 | 29.0032 | 29.0452 | 29.0871 |
| 700 | 29.1290 | 29.1709 | 29.2128 | 29.2546 | 29.2965 | 29.3384 | 29.3802 | 29.4221 | 29.4639 | 29.5057 |

Type K Thermocouple Temperature Vs. Voltage

Values are in milliVolts

| Temp °C | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 710 | 29.5476 | 29.5894 | 29.6312 | 29.6730 | 29.7148 | 29.7565 | 29.7983 | 29.8401 | 29.8818 | 29.9236 |
| 720 | 29.9653 | 30.0070 | 30.0488 | 30.0905 | 30.1322 | 30.1739 | 30.2156 | 30.2573 | 30.2989 | 30.3406 |
| 730 | 30.3822 | 30.4239 | 30.4655 | 30.5071 | 30.5488 | 30.5904 | 30.6320 | 30.6736 | 30.7151 | 30.7567 |
| 740 | 30.7983 | 30.8398 | 30.8814 | 30.9229 | 30.9645 | 31.0060 | 31.0475 | 31.0890 | 31.1305 | 31.1720 |
| 750 | 31.2135 | 31.2549 | 31.2964 | 31.3378 | 31.3793 | 31.4207 | 31.4621 | 31.5035 | 31.5449 | 31.5863 |
| 760 | 31.6277 | 31.6691 | 31.7105 | 31.7518 | 31.7932 | 31.8345 | 31.8758 | 31.9171 | 31.9585 | 31.9998 |
| 770 | 32.0410 | 32.0823 | 32.1236 | 32.1649 | 32.2061 | 32.2474 | 32.2886 | 32.3298 | 32.3710 | 32.4122 |
| 780 | 32.4534 | 32.4946 | 32.5358 | 32.5770 | 32.6181 | 32.6593 | 32.7004 | 32.7416 | 32.7827 | 32.8238 |
| 790 | 32.8649 | 32.9060 | 32.9471 | 32.9881 | 33.0292 | 33.0703 | 33.1113 | 33.1523 | 33.1934 | 33.2344 |
| 800 | 33.2754 | 33.3164 | 33.3574 | 33.3983 | 33.4393 | 33.4803 | 33.5212 | 33.5621 | 33.6031 | 33.6440 |
| 810 | 33.6849 | 33.7258 | 33.7667 | 33.8076 | 33.8484 | 33.8893 | 33.9301 | 33.9710 | 34.0118 | 34.0526 |
| 820 | 34.0934 | 34.1342 | 34.1750 | 34.2158 | 34.2566 | 34.2973 | 34.3381 | 34.3788 | 34.4196 | 34.4603 |
| 830 | 34.5010 | 34.5417 | 34.5824 | 34.6231 | 34.6637 | 34.7044 | 34.7450 | 34.7857 | 34.8263 | 34.8669 |
| 840 | 34.9075 | 34.9481 | 34.9887 | 35.0293 | 35.0699 | 35.1104 | 35.1510 | 35.1915 | 35.2321 | 35.2726 |
| 850 | 35.3131 | 35.3536 | 35.3941 | 35.4346 | 35.4751 | 35.5155 | 35.5560 | 35.5964 | 35.6368 | 35.6773 |
| 860 | 35.7177 | 35.7581 | 35.7985 | 35.8388 | 35.8792 | 35.9196 | 35.9599 | 36.0003 | 36.0406 | 36.0809 |
| 870 | 36.1212 | 36.1615 | 36.2018 | 36.2421 | 36.2824 | 36.3226 | 36.3629 | 36.4031 | 36.4434 | 36.4836 |
| 880 | 36.5238 | 36.5640 | 36.6042 | 36.6444 | 36.6845 | 36.7247 | 36.7649 | 36.8050 | 36.8451 | 36.8853 |
| 890 | 36.9254 | 36.9655 | 37.0056 | 37.0456 | 37.0857 | 37.1258 | 37.1658 | 37.2059 | 37.2459 | 37.2859 |
| 900 | 37.3259 | 37.3659 | 37.4059 | 37.4459 | 37.4859 | 37.5258 | 37.5658 | 37.6057 | 37.6456 | 37.6856 |
| 910 | 37.7255 | 37.7654 | 37.8052 | 37.8451 | 37.8850 | 37.9249 | 37.9647 | 38.0045 | 38.0444 | 38.0842 |
| 920 | 38.1240 | 38.1638 | 38.2036 | 38.2434 | 38.2831 | 38.3229 | 38.3626 | 38.4024 | 38.4421 | 38.4818 |
| 930 | 38.5215 | 38.5612 | 38.6009 | 38.6406 | 38.6803 | 38.7199 | 38.7596 | 38.7992 | 38.8388 | 38.8784 |
| 940 | 38.9180 | 38.9576 | 38.9972 | 39.0368 | 39.0764 | 39.1159 | 39.1555 | 39.1950 | 39.2345 | 39.2740 |
| 950 | 39.3135 | 39.3530 | 39.3925 | 39.4320 | 39.4714 | 39.5109 | 39.5503 | 39.5898 | 39.6292 | 39.6686 |
| 960 | 39.7080 | 39.7474 | 39.7868 | 39.8262 | 39.8655 | 39.9049 | 39.9442 | 39.9835 | 40.0229 | 40.0622 |
| 970 | 40.1015 | 40.1407 | 40.1800 | 40.2193 | 40.2586 | 40.2978 | 40.3370 | 40.3763 | 40.4155 | 40.4547 |
| 980 | 40.4939 | 40.5331 | 40.5722 | 40.6114 | 40.6506 | 40.6897 | 40.7288 | 40.7680 | 40.8071 | 40.8462 |
| 990 | 40.8853 | 40.9243 | 40.9634 | 41.0025 | 41.0415 | 41.0806 | 41.1196 | 41.1586 | 41.1976 | 41.2366 |
| 1000 | 41.2756 | 41.3146 | 41.3535 | 41.3925 | 41.4314 | 41.4704 | 41.5093 | 41.5482 | 41.5871 | 41.6260 |
| 1010 | 41.6649 | 41.7038 | 41.7426 | 41.7815 | 41.8203 | 41.8591 | 41.8980 | 41.9368 | 41.9756 | 42.0143 |
| 1020 | 42.0531 | 42.0919 | 42.1306 | 42.1694 | 42.2081 | 42.2468 | 42.2855 | 42.3242 | 42.3629 | 42.4016 |
| 1030 | 42.4403 | 42.4789 | 42.5176 | 42.5562 | 42.5948 | 42.6334 | 42.6720 | 42.7106 | 42.7492 | 42.7877 |
| 1040 | 42.8263 | 42.8648 | 42.9034 | 42.9419 | 42.9804 | 43.0189 | 43.0574 | 43.0959 | 43.1343 | 43.1728 |

Type K Thermocouple Temperature Vs. Voltage

Values are in millivolts

| Temp °C | +0 | +1 | +2 | +3 | +4 | +5 | +6 | +7 | +8 | +9 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1050 | 43.2112 | 43.2497 | 43.2881 | 43.3265 | 43.3649 | 43.4033 | 43.4417 | 43.4800 | 43.5184 | 43.5567 |
| 1060 | 43.5951 | 43.6334 | 43.6717 | 43.7100 | 43.7483 | 43.7866 | 43.8248 | 43.8631 | 43.9013 | 43.9395 |
| 1070 | 43.9777 | 44.0160 | 44.0541 | 44.0923 | 44.1305 | 44.1687 | 44.2068 | 44.2449 | 44.2831 | 44.3212 |
| 1080 | 44.3593 | 44.3974 | 44.4354 | 44.4735 | 44.5115 | 44.5496 | 44.5876 | 44.6256 | 44.6636 | 44.7016 |
| 1090 | 44.7396 | 44.7776 | 44.8155 | 44.8535 | 44.8914 | 44.9293 | 44.9672 | 45.0051 | 45.0430 | 45.0809 |
| 1100 | 45.1187 | 45.1566 | 45.1944 | 45.2322 | 45.2700 | 45.3078 | 45.3456 | 45.3834 | 45.4212 | 45.4589 |
| 1110 | 45.4966 | 45.5344 | 45.5721 | 45.6098 | 45.6475 | 45.6851 | 45.7228 | 45.7604 | 45.7981 | 45.8357 |
| 1120 | 45.8733 | 45.9109 | 45.9485 | 45.9860 | 46.0236 | 46.0611 | 46.0987 | 46.1362 | 46.1737 | 46.2112 |
| 1130 | 46.2487 | 46.2861 | 46.3236 | 46.3610 | 46.3984 | 46.4359 | 46.4733 | 46.5106 | 46.5480 | 46.5854 |
| 1140 | 46.6227 | 46.6601 | 46.6974 | 46.7347 | 46.7720 | 46.8093 | 46.8465 | 46.8838 | 46.9210 | 46.9583 |
| 1150 | 46.9955 | 47.0327 | 47.0699 | 47.1070 | 47.1442 | 47.1813 | 47.2185 | 47.2556 | 47.2927 | 47.3298 |
| 1160 | 47.3668 | 47.4039 | 47.4410 | 47.4780 | 47.5150 | 47.5520 | 47.5890 | 47.6260 | 47.6630 | 47.6999 |
| 1170 | 47.7368 | 47.7738 | 47.8107 | 47.8476 | 47.8844 | 47.9213 | 47.9582 | 47.9950 | 48.0318 | 48.0686 |
| 1180 | 48.1054 | 48.1422 | 48.1790 | 48.2157 | 48.2524 | 48.2892 | 48.3259 | 48.3626 | 48.3992 | 48.4359 |
| 1190 | 48.4726 | 48.5092 | 48.5458 | 48.5824 | 48.6190 | 48.6556 | 48.6921 | 48.7287 | 48.7652 | 48.8017 |
| 1200 | 48.8382 | 48.8747 | 48.9112 | 48.9477 | 48.9841 | 49.0205 | 49.0569 | 49.0933 | 49.1297 | 49.1661 |
| 1210 | 49.2024 | 49.2388 | 49.2751 | 49.3114 | 49.3477 | 49.3840 | 49.4202 | 49.4565 | 49.4927 | 49.5289 |
| 1220 | 49.5651 | 49.6013 | 49.6375 | 49.6736 | 49.7097 | 49.7459 | 49.7820 | 49.8181 | 49.8541 | 49.8902 |
| 1230 | 49.9263 | 49.9623 | 49.9983 | 50.0343 | 50.0703 | 50.1062 | 50.1422 | 50.1781 | 50.2141 | 50.2500 |
| 1240 | 50.2858 | 50.3217 | 50.3576 | 50.3934 | 50.4292 | 50.4651 | 50.5009 | 50.5366 | 50.5724 | 50.6081 |
| 1250 | 50.6439 | 50.6796 | 50.7153 | 50.7510 | 50.7867 | 50.8223 | 50.8579 | 50.8936 | 50.9292 | 50.9648 |
| 1260 | 51.0003 | 51.0359 | 51.0714 | 51.1070 | 51.1425 | 51.1780 | 51.2134 | 51.2489 | 51.2844 | 51.3198 |
| 1270 | 51.3552 | 51.3906 | 51.4260 | 51.4614 | 51.4967 | 51.5320 | 51.5674 | 51.6027 | 51.6380 | 51.6732 |
| 1280 | 51.7085 | 51.7437 | 51.7789 | 51.8142 | 51.8493 | 51.8845 | 51.9197 | 51.9548 | 51.9900 | 52.0251 |
| 1290 | 52.0602 | 52.0953 | 52.1303 | 52.1654 | 52.2004 | 52.2354 | 52.2704 | 52.3054 | 52.3404 | 52.3753 |
| 1300 | 52.4103 | 52.4452 | 52.4801 | 52.5150 | 52.5499 | 52.5847 | 52.6196 | 52.6544 | 52.6892 | 52.7240 |
| 1310 | 52.7588 | 52.7936 | 52.8283 | 52.8631 | 52.8978 | 52.9325 | 52.9672 | 53.0019 | 53.0365 | 53.0712 |
| 1320 | 53.1058 | 53.1404 | 53.1750 | 53.2096 | 53.2442 | 53.2787 | 53.3132 | 53.3478 | 53.3823 | 53.4168 |
| 1330 | 53.4512 | 53.4857 | 53.5202 | 53.5546 | 53.5890 | 53.6234 | 53.6578 | 53.6922 | 53.7265 | 53.7609 |
| 1340 | 53.7952 | 53.8295 | 53.8638 | 53.8981 | 53.9324 | 53.9666 | 54.0009 | 54.0351 | 54.0693 | 54.1035 |
| 1350 | 54.1377 | 54.1719 | 54.2060 | 54.2402 | 54.2743 | 54.3084 | 54.3425 | 54.3766 | 54.4107 | 54.4448 |
| 1360 | 54.4788 | 54.5128 | 54.5469 | 54.5809 | 54.6149 | 54.6489 | 54.6828 | 54.7168 | 54.7507 | 54.7847 |
| 1370 | 54.8186 | 54.8525 | 54.8864 | | | | | | | |