

Grundwertreihe für Thermoelemente

HEINZ STEGMEIER
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Eisen - KupferNickel nach DIN EN 60584 Typ J Bezugstemperatur 0°C. Temperaturen in °C (ITS-90)

| Temp. | Mikrovolt | | | | | | | | | |
|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| °C | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0 | 0 | 50 | 101 | 151 | 202 | 253 | 303 | 354 | 405 | 456 |
| 10 | 507 | 558 | 609 | 660 | 711 | 762 | 814 | 865 | 916 | 968 |
| 20 | 1019 | 1071 | 1122 | 1174 | 1226 | 1277 | 1329 | 1381 | 1433 | 1485 |
| 30 | 1537 | 1589 | 1641 | 1693 | 1745 | 1797 | 1849 | 1902 | 1954 | 2006 |
| 40 | 2059 | 2111 | 2164 | 2216 | 2269 | 2322 | 2374 | 2427 | 2480 | 2532 |
| 50 | 2585 | 2638 | 2691 | 2744 | 2797 | 2850 | 2903 | 2956 | 3009 | 3062 |
| 60 | 3116 | 3169 | 3222 | 3275 | 3329 | 3382 | 3436 | 3489 | 3543 | 3596 |
| 70 | 3650 | 3703 | 3757 | 3810 | 3864 | 3918 | 3971 | 4025 | 4079 | 4133 |
| 80 | 4187 | 4240 | 4294 | 4348 | 4402 | 4456 | 4510 | 4564 | 4618 | 4672 |
| 90 | 4726 | 4781 | 4835 | 4889 | 4943 | 4997 | 5052 | 5106 | 5160 | 5215 |
| 100 | 5269 | 5323 | 5378 | 5432 | 5487 | 5541 | 5595 | 5650 | 5705 | 5759 |
| 110 | 5814 | 5868 | 5923 | 5977 | 6032 | 6087 | 6141 | 6196 | 6251 | 6306 |
| 120 | 6360 | 6415 | 6470 | 6525 | 6579 | 6634 | 6689 | 6744 | 6799 | 6854 |
| 130 | 6909 | 6964 | 7019 | 7074 | 7129 | 7184 | 7239 | 7294 | 7349 | 7404 |
| 140 | 7459 | 7514 | 7569 | 7624 | 7679 | 7734 | 7789 | 7844 | 7900 | 7955 |
| 150 | 8010 | 8065 | 8120 | 8175 | 8231 | 8286 | 8341 | 8396 | 8452 | 8507 |
| 160 | 8562 | 8618 | 8673 | 8728 | 8783 | 8839 | 8894 | 8949 | 9005 | 9060 |
| 170 | 9115 | 9171 | 9226 | 9282 | 9337 | 9392 | 9448 | 9503 | 9559 | 9614 |
| 180 | 9669 | 9725 | 9780 | 9836 | 9891 | 9947 | 10002 | 10057 | 10113 | 10168 |
| 190 | 10224 | 10279 | 10335 | 10390 | 10446 | 10501 | 10557 | 10612 | 10668 | 10723 |
| 200 | 10779 | 10834 | 10890 | 10945 | 11001 | 11056 | 11112 | 11167 | 11223 | 11278 |
| 210 | 11334 | 11389 | 11445 | 11501 | 11556 | 11612 | 11667 | 11723 | 11778 | 11834 |
| 220 | 11889 | 11945 | 12000 | 12056 | 12111 | 12167 | 12222 | 12278 | 12334 | 12389 |

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|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 230 | 12445 | 12500 | 12556 | 12611 | 12667 | 12722 | 12778 | 12833 | 12889 | 12944 |
| 240 | 13000 | 13056 | 13111 | 13167 | 13222 | 13278 | 13333 | 13389 | 13444 | 13500 |
| 250 | 13555 | 13611 | 13666 | 13722 | 13777 | 13833 | 13888 | 13944 | 13999 | 14055 |
| 260 | 14110 | 14166 | 14221 | 14277 | 14332 | 14388 | 14443 | 14499 | 14554 | 14609 |
| 270 | 14665 | 14720 | 14776 | 14831 | 14887 | 14942 | 14998 | 15053 | 15109 | 15164 |
| 280 | 15219 | 15275 | 15330 | 15386 | 15441 | 15496 | 15552 | 15607 | 15663 | 15718 |
| 290 | 15773 | 15829 | 15884 | 15940 | 15995 | 16050 | 16106 | 16161 | 16216 | 16272 |
| 300 | 16327 | 16383 | 16438 | 16493 | 16549 | 16604 | 16659 | 16715 | 16770 | 16825 |
| 310 | 16881 | 16936 | 16991 | 17046 | 17102 | 17157 | 17212 | 17268 | 17323 | 17378 |
| 320 | 17434 | 17489 | 17544 | 17599 | 17655 | 17710 | 17765 | 17820 | 17876 | 17931 |
| 330 | 17986 | 18041 | 18097 | 18152 | 18207 | 18262 | 18318 | 18373 | 18428 | 18483 |
| 340 | 18538 | 18594 | 18649 | 18704 | 18759 | 18814 | 18870 | 18925 | 18980 | 19035 |
| 350 | 19090 | 19146 | 19201 | 19256 | 19311 | 19366 | 19422 | 19477 | 19532 | 19587 |
| 360 | 19642 | 19697 | 19753 | 19808 | 19863 | 19918 | 19973 | 20028 | 20083 | 20139 |
| 370 | 20194 | 20249 | 20304 | 20359 | 20414 | 20469 | 20525 | 20580 | 20635 | 20690 |
| 380 | 20745 | 20800 | 20855 | 20911 | 20966 | 21021 | 21076 | 21131 | 21186 | 21241 |
| 390 | 21297 | 21352 | 21407 | 21462 | 21517 | 21572 | 21627 | 21683 | 21738 | 21793 |
| 400 | 21848 | 21903 | 21958 | 22014 | 22069 | 22124 | 22179 | 22234 | 22289 | 22345 |
| 410 | 22400 | 22455 | 22510 | 22565 | 22620 | 22676 | 22731 | 22786 | 22841 | 22896 |
| 420 | 22952 | 23007 | 23062 | 23117 | 23172 | 23228 | 23283 | 23338 | 23393 | 23449 |
| 430 | 23504 | 23559 | 23614 | 23670 | 23725 | 23780 | 23835 | 23891 | 23946 | 24001 |
| 440 | 24057 | 24112 | 24167 | 24223 | 24278 | 24333 | 24389 | 24444 | 24499 | 24555 |
| 450 | 24610 | 24665 | 24721 | 24776 | 24832 | 24887 | 24943 | 24998 | 25053 | 25109 |
| 460 | 25164 | 25220 | 25275 | 25331 | 25386 | 25442 | 25497 | 25553 | 25608 | 25664 |
| 470 | 25720 | 25775 | 25831 | 25886 | 25942 | 25998 | 26053 | 26109 | 26165 | 26220 |
| 480 | 26276 | 26332 | 26387 | 26443 | 26499 | 26555 | 26610 | 26666 | 26722 | 26778 |

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HS
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| | | | | | | | | | | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 490 | 26834 | 26889 | 26945 | 27001 | 27057 | 27113 | 27169 | 27225 | 27281 | 27337 |
| 500 | 27393 | 27449 | 27505 | 27561 | 27617 | 27673 | 27729 | 27785 | 27841 | 27897 |
| 510 | 27953 | 28010 | 28066 | 28122 | 28178 | 28234 | 28291 | 28347 | 28403 | 28460 |
| 520 | 28516 | 28572 | 28629 | 28685 | 28741 | 28798 | 28854 | 28911 | 28967 | 29024 |
| 530 | 29080 | 29137 | 29194 | 29250 | 29307 | 29363 | 29420 | 29477 | 29534 | 29590 |
| 540 | 29647 | 29704 | 29761 | 29818 | 29874 | 29931 | 29988 | 30045 | 30102 | 30159 |
| 550 | 30216 | 30273 | 30330 | 30387 | 30444 | 30502 | 30559 | 30616 | 30673 | 30730 |
| 560 | 30788 | 30845 | 30902 | 30960 | 31017 | 31074 | 31132 | 31189 | 31247 | 31304 |
| 570 | 31362 | 31419 | 31477 | 31535 | 31592 | 31650 | 31708 | 31766 | 31823 | 31881 |
| 580 | 31939 | 31997 | 32055 | 32113 | 32171 | 32229 | 32287 | 32345 | 32403 | 32461 |
| 590 | 32519 | 32577 | 32636 | 32694 | 32752 | 32810 | 32869 | 32927 | 32985 | 33044 |