

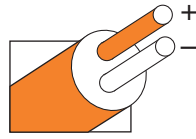
Thermoelement-Referenztabellen

TYP

Referenztabellen
N.I.S.T.
Monograph 175
Nach
ITS-90

R

Platin-13% Rhodium und Platin



IEC-584-3
Farbcodierung:
Thermoelement-
und Ausgleichs-
leitung

MAXIMALER TEMPERATURBEREICH

Thermoelementleitung
32 bis 2642°F, 0 bis 1450°C

Verlängerungsleitung
32 bis 300°F, 0 bis 150°C

FEHLERTOLERANZEN

(je nachdem, welcher Wert größer ist)

Standard: 1,5°C oder 0,25%

Besonders enge Fehlertoleranz:

0,6°C oder 0,1%

KOMMENTARE, UMGEBUNG FÜR

UNISOLIERTE LEITUNGEN:

Oxidierend oder chemisch inaktiv; Nicht in Metallrohren einsetzen; Vor Kontamination schützen; Hohe Temperaturen

TEMPERATUR IN °C

VERGLEICHSSTELLE BEI 0°C

Thermoelektrische Spannung in mV

| °C | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | °C | °C | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | °C |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| 1150 | 12.535 | 12.549 | 12.563 | 12.577 | 12.590 | 12.604 | 12.618 | 12.632 | 12.646 | 12.659 | 12.673 | 1150 | 1500 | 17.451 | 17.465 | 17.479 | 17.493 | 17.507 | 17.521 | 17.535 | 17.549 | 17.563 | 17.577 | 17.591 | 1500 |
| 1160 | 12.673 | 12.687 | 12.701 | 12.715 | 12.729 | 12.742 | 12.756 | 12.770 | 12.784 | 12.798 | 12.812 | 1160 | 1510 | 17.591 | 17.605 | 17.619 | 17.633 | 17.647 | 17.661 | 17.676 | 17.690 | 17.704 | 17.718 | 17.732 | 1510 |
| 1170 | 12.812 | 12.825 | 12.839 | 12.853 | 12.867 | 12.881 | 12.895 | 12.909 | 12.922 | 12.936 | 12.950 | 1170 | 1520 | 17.732 | 17.746 | 17.760 | 17.774 | 17.788 | 17.802 | 17.816 | 17.830 | 17.844 | 17.858 | 17.872 | 1520 |
| 1180 | 12.950 | 12.964 | 12.978 | 12.992 | 13.006 | 13.019 | 13.033 | 13.047 | 13.061 | 13.075 | 13.089 | 1180 | 1530 | 17.872 | 17.886 | 17.900 | 17.914 | 17.928 | 17.942 | 17.956 | 17.970 | 17.984 | 17.998 | 18.012 | 1530 |
| 1190 | 13.089 | 13.103 | 13.117 | 13.131 | 13.145 | 13.158 | 13.172 | 13.186 | 13.200 | 13.214 | 13.228 | 1190 | 1540 | 18.012 | 18.026 | 18.040 | 18.054 | 18.068 | 18.082 | 18.096 | 18.110 | 18.124 | 18.138 | 18.152 | 1540 |
| 1200 | 13.228 | 13.242 | 13.256 | 13.270 | 13.284 | 13.298 | 13.311 | 13.325 | 13.339 | 13.353 | 13.367 | 1200 | 1550 | 18.152 | 18.166 | 18.180 | 18.194 | 18.208 | 18.222 | 18.236 | 18.250 | 18.264 | 18.278 | 18.292 | 1550 |
| 1210 | 13.367 | 13.381 | 13.395 | 13.409 | 13.423 | 13.437 | 13.451 | 13.465 | 13.479 | 13.493 | 13.507 | 1210 | 1560 | 18.292 | 18.306 | 18.320 | 18.334 | 18.348 | 18.362 | 18.376 | 18.390 | 18.404 | 18.417 | 18.431 | 1560 |
| 1220 | 13.507 | 13.521 | 13.535 | 13.549 | 13.563 | 13.577 | 13.590 | 13.604 | 13.618 | 13.632 | 13.646 | 1220 | 1570 | 18.431 | 18.445 | 18.459 | 18.473 | 18.487 | 18.501 | 18.515 | 18.529 | 18.543 | 18.557 | 18.571 | 1570 |
| 1230 | 13.646 | 13.660 | 13.674 | 13.688 | 13.702 | 13.716 | 13.730 | 13.744 | 13.758 | 13.772 | 13.786 | 1230 | 1580 | 18.571 | 18.585 | 18.599 | 18.613 | 18.627 | 18.640 | 18.654 | 18.668 | 18.682 | 18.696 | 18.710 | 1580 |
| 1240 | 13.786 | 13.800 | 13.814 | 13.828 | 13.842 | 13.856 | 13.870 | 13.884 | 13.898 | 13.912 | 13.926 | 1240 | 1590 | 18.710 | 18.724 | 18.738 | 18.752 | 18.766 | 18.779 | 18.793 | 18.807 | 18.821 | 18.835 | 18.849 | 1590 |
| 1250 | 13.926 | 13.940 | 13.954 | 13.968 | 13.982 | 13.996 | 14.010 | 14.024 | 14.038 | 14.052 | 14.066 | 1250 | 1600 | 18.849 | 18.863 | 18.877 | 18.891 | 18.904 | 18.918 | 18.932 | 18.946 | 18.960 | 18.974 | 18.988 | 1600 |
| 1260 | 14.066 | 14.081 | 14.095 | 14.109 | 14.123 | 14.137 | 14.151 | 14.165 | 14.179 | 14.193 | 14.207 | 1260 | 1610 | 18.988 | 19.002 | 19.015 | 19.029 | 19.043 | 19.057 | 19.071 | 19.085 | 19.099 | 19.112 | 19.126 | 1610 |
| 1270 | 14.207 | 14.221 | 14.235 | 14.249 | 14.263 | 14.277 | 14.291 | 14.305 | 14.319 | 14.333 | 14.347 | 1270 | 1620 | 19.126 | 19.140 | 19.154 | 19.168 | 19.181 | 19.195 | 19.209 | 19.223 | 19.237 | 19.250 | 19.264 | 1620 |
| 1280 | 14.347 | 14.361 | 14.375 | 14.390 | 14.404 | 14.418 | 14.432 | 14.446 | 14.460 | 14.474 | 14.488 | 1280 | 1630 | 19.264 | 19.278 | 19.292 | 19.306 | 19.319 | 19.333 | 19.347 | 19.361 | 19.375 | 19.388 | 19.402 | 1630 |
| 1290 | 14.488 | 14.502 | 14.516 | 14.530 | 14.544 | 14.558 | 14.572 | 14.586 | 14.601 | 14.615 | 14.629 | 1290 | 1640 | 19.402 | 19.416 | 19.430 | 19.444 | 19.457 | 19.471 | 19.485 | 19.499 | 19.512 | 19.526 | 19.540 | 1640 |
| 1300 | 14.629 | 14.643 | 14.657 | 14.671 | 14.685 | 14.699 | 14.713 | 14.727 | 14.741 | 14.755 | 14.770 | 1300 | 1650 | 19.540 | 19.554 | 19.567 | 19.581 | 19.595 | 19.609 | 19.622 | 19.636 | 19.650 | 19.663 | 19.677 | 1650 |
| 1310 | 14.770 | 14.784 | 14.798 | 14.812 | 14.826 | 14.840 | 14.854 | 14.868 | 14.882 | 14.896 | 14.911 | 1310 | 1660 | 19.677 | 19.691 | 19.705 | 19.718 | 19.732 | 19.746 | 19.759 | 19.773 | 19.787 | 19.800 | 19.814 | 1660 |
| 1320 | 14.911 | 14.925 | 14.939 | 14.953 | 14.967 | 14.981 | 14.995 | 15.009 | 15.023 | 15.037 | 15.052 | 1320 | 1670 | 19.814 | 19.828 | 19.841 | 19.855 | 19.869 | 19.882 | 19.896 | 19.910 | 19.923 | 19.937 | 19.951 | 1670 |
| 1330 | 15.052 | 15.066 | 15.080 | 15.094 | 15.108 | 15.122 | 15.136 | 15.150 | 15.164 | 15.179 | 15.193 | 1330 | 1680 | 19.951 | 19.964 | 19.978 | 19.992 | 20.005 | 20.019 | 20.032 | 20.046 | 20.060 | 20.073 | 20.087 | 1680 |
| 1340 | 15.193 | 15.207 | 15.221 | 15.235 | 15.249 | 15.263 | 15.277 | 15.291 | 15.306 | 15.320 | 15.334 | 1340 | 1690 | 20.087 | 20.100 | 20.114 | 20.127 | 20.141 | 20.154 | 20.168 | 20.181 | 20.195 | 20.208 | 20.222 | 1690 |
| 1350 | 15.334 | 15.348 | 15.362 | 15.376 | 15.390 | 15.404 | 15.419 | 15.433 | 15.447 | 15.461 | 15.475 | 1350 | 1700 | 20.222 | 20.235 | 20.249 | 20.262 | 20.275 | 20.289 | 20.302 | 20.316 | 20.329 | 20.342 | 20.356 | 1700 |
| 1360 | 15.475 | 15.489 | 15.503 | 15.517 | 15.531 | 15.546 | 15.560 | 15.574 | 15.588 | 15.602 | 15.616 | 1360 | 1710 | 20.356 | 20.369 | 20.382 | 20.396 | 20.409 | 20.422 | 20.436 | 20.449 | 20.462 | 20.475 | 20.488 | 1710 |
| 1370 | 15.616 | 15.630 | 15.645 | 15.659 | 15.673 | 15.687 | 15.701 | 15.715 | 15.729 | 15.743 | 15.758 | 1370 | 1720 | 20.488 | 20.502 | 20.515 | 20.528 | 20.541 | 20.554 | 20.567 | 20.581 | 20.594 | 20.607 | 20.620 | 1720 |
| 1380 | 15.758 | 15.772 | 15.786 | 15.800 | 15.814 | 15.828 | 15.842 | 15.856 | 15.871 | 15.885 | 15.899 | 1380 | 1730 | 20.620 | 20.633 | 20.646 | 20.659 | 20.672 | 20.685 | 20.698 | 20.711 | 20.724 | 20.736 | 20.749 | 1730 |
| 1390 | 15.899 | 15.913 | 15.927 | 15.941 | 15.955 | 15.969 | 15.984 | 15.998 | 16.012 | 16.026 | 16.040 | 1390 | 1740 | 20.749 | 20.762 | 20.775 | 20.788 | 20.801 | 20.813 | 20.826 | 20.839 | 20.852 | 20.864 | 20.877 | 1740 |
| 1400 | 16.040 | 16.054 | 16.068 | 16.082 | 16.097 | 16.111 | 16.125 | 16.139 | 16.153 | 16.167 | 16.181 | 1400 | 1750 | 20.877 | 20.890 | 20.902 | 20.915 | 20.928 | 20.940 | 20.953 | 20.965 | 20.978 | 20.990 | 21.003 | 1750 |
| 1410 | 16.181 | 16.196 | 16.210 | 16.224 | 16.238 | 16.252 | 16.266 | 16.280 | 16.294 | 16.309 | 16.323 | 1410 | 1760 | 21.003 | 21.015 | 21.027 | 21.040 | 21.052 | 21.065 | 21.077 | 21.089 | 21.101 | | | 1760 |
| 1420 | 16.323 | 16.337 | 16.351 | 16.365 | 16.379 | 16.393 | 16.407 | 16.422 | 16.436 | 16.450 | 16.464 | 1420 | | | | | | | | | | | | | |
| 1430 | 16.464 | 16.478 | 16.492 | 16.506 | 16.520 | 16.534 | 16.549 | 16.563 | 16.577 | 16.591 | 16.605 | 1430 | | | | | | | | | | | | | |
| 1440 | 16.605 | 16.619 | 16.633 | 16.647 | 16.662 | 16.676 | 16.690 | 16.704 | 16.718 | 16.732 | 16.746 | 1440 | | | | | | | | | | | | | |
| 1450 | 16.746 | 16.760 | 16.774 | 16.789 | 16.803 | 16.817 | 16.831 | 16.845 | 16.859 | 16.873 | 16.887 | 1450 | | | | | | | | | | | | | |
| 1460 | 16.887 | 16.901 | 16.915 | 16.930 | 16.944 | 16.958 | 16.972 | 16.986 | 17.000 | 17.014 | 17.028 | 1460 | | | | | | | | | | | | | |
| 1470 | 17.028 | 17.042 | 17.056 | 17.071 | 17.085 | 17.099 | 17.113 | 17.127 | 17.141 | 17.155 | 17.169 | 1470 | | | | | | | | | | | | | |
| 1480 | 17.169 | 17.183 | 17.197 | 17.211 | 17.225 | 17.240 | 17.254 | 17.268 | 17.282 | 17.296 | 17.310 | 1480 | | | | | | | | | | | | | |
| 1490 | 17.310 | 17.324 | 17.338 | 17.352 | 17.366 | 17.380 | 17.394 | 17.408 | 17.423 | 17.437 | 17.451 | 1490 | | | | | | | | | | | | | |