

Pt1000 resistance table

| °C | 0 | -1 | -2 | -3 | -4 | -5 | -6 | -7 | -8 | -9 |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| -100 | 602,56 | | | | | | | | | |
| -90 | 643,00 | 638,96 | 634,92 | 630,88 | 626,84 | 622,80 | 618,76 | 614,71 | 610,66 | 606,61 |
| -80 | 683,25 | 679,24 | 675,22 | 671,20 | 667,17 | 663,15 | 659,12 | 655,09 | 651,06 | 647,03 |
| -70 | 723,35 | 719,34 | 715,34 | 711,34 | 707,33 | 703,32 | 699,31 | 695,30 | 691,29 | 687,27 |
| -60 | 763,28 | 759,29 | 755,30 | 751,32 | 747,32 | 743,33 | 739,34 | 735,34 | 731,34 | 727,35 |
| -50 | 803,06 | 799,09 | 795,12 | 791,14 | 787,17 | 783,19 | 779,21 | 775,23 | 771,25 | 767,26 |
| -40 | 842,71 | 838,75 | 834,79 | 830,83 | 826,87 | 822,90 | 818,94 | 814,97 | 811,00 | 807,03 |
| -30 | 882,22 | 878,27 | 874,33 | 870,38 | 866,43 | 862,48 | 858,53 | 854,57 | 850,62 | 846,66 |
| -20 | 921,60 | 917,67 | 913,73 | 909,80 | 905,86 | 901,92 | 897,99 | 894,04 | 890,10 | 886,16 |
| -10 | 960,86 | 956,94 | 953,02 | 949,09 | 945,17 | 941,24 | 937,32 | 933,39 | 929,46 | 925,53 |
| 0 | 1.000,00 | 996,09 | 992,18 | 988,27 | 984,36 | 980,44 | 976,53 | 972,61 | 968,70 | 964,78 |
| °C | 0 | -1 | -2 | -3 | -4 | -5 | -6 | -7 | -8 | -9 |
| | | | | | | | | | | |
| °C | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0 | 1.000,00 | 1.003,91 | 1.007,81 | 1.011,72 | 1.015,62 | 1.019,53 | 1.023,43 | 1.027,33 | 1.031,23 | 1.035,13 |
| 10 | 1.039,03 | 1.042,92 | 1.046,82 | 1.050,71 | 1.054,60 | 1.058,49 | 1.062,38 | 1.066,27 | 1.070,16 | 1.074,05 |
| 20 | 1.077,94 | 1.081,82 | 1.085,70 | 1.089,59 | 1.093,47 | 1.097,35 | 1.101,23 | 1.105,10 | 1.108,98 | 1.112,86 |
| 30 | 1.116,73 | 1.120,60 | 1.124,47 | 1.128,35 | 1.132,21 | 1.136,08 | 1.139,95 | 1.143,82 | 1.147,68 | 1.151,55 |
| 40 | 1.155,41 | 1.159,27 | 1.163,13 | 1.166,99 | 1.170,85 | 1.174,70 | 1.178,56 | 1.182,41 | 1.186,27 | 1.190,12 |
| 50 | 1.193,97 | 1.197,82 | 1.201,67 | 1.205,52 | 1.209,36 | 1.213,21 | 1.217,05 | 1.220,90 | 1.224,74 | 1.228,58 |
| 60 | 1.232,42 | 1.236,26 | 1.240,09 | 1.243,93 | 1.247,77 | 1.251,60 | 1.255,43 | 1.259,26 | 1.263,09 | 1.266,92 |
| 70 | 1.270,75 | 1.274,58 | 1.278,40 | 1.282,23 | 1.286,05 | 1.289,87 | 1.293,70 | 1.297,52 | 1.301,33 | 1.305,15 |
| 80 | 1.308,97 | 1.312,78 | 1.316,60 | 1.320,41 | 1.324,22 | 1.328,03 | 1.331,84 | 1.335,65 | 1.339,46 | 1.343,26 |
| 90 | 1.347,07 | 1.350,87 | 1.354,68 | 1.358,48 | 1.362,28 | 1.366,08 | 1.369,87 | 1.373,67 | 1.377,47 | 1.381,26 |
| °C | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 100 | 1.385,05 | 1.388,85 | 1.392,64 | 1.396,43 | 1.400,22 | 1.404,00 | 1.407,79 | 1.411,58 | 1.415,36 | 1.419,14 |
| 110 | 1.422,93 | 1.426,71 | 1.430,49 | 1.434,26 | 1.438,04 | 1.441,82 | 1.445,59 | 1.449,37 | 1.453,14 | 1.456,91 |
| 120 | 1.460,68 | 1.464,45 | 1.468,22 | 1.471,98 | 1.475,75 | 1.479,51 | 1.483,28 | 1.487,04 | 1.490,80 | 1.494,56 |
| 130 | 1.498,32 | 1.502,08 | 1.505,83 | 1.509,59 | 1.513,34 | 1.517,10 | 1.520,85 | 1.524,60 | 1.528,35 | 1.532,10 |
| 140 | 1.535,84 | 1.539,59 | 1.543,33 | 1.547,08 | 1.550,82 | 1.554,56 | 1.558,30 | 1.562,04 | 1.565,78 | 1.569,52 |
| 150 | 1.573,25 | 1.576,99 | 1.580,72 | 1.584,45 | 1.588,18 | 1.591,91 | 1.595,64 | 1.599,37 | 1.603,09 | 1.606,82 |
| 160 | 1.610,54 | 1.614,27 | 1.617,99 | 1.621,71 | 1.625,43 | 1.629,15 | 1.632,86 | 1.636,58 | 1.640,30 | 1.644,01 |
| 170 | 1.647,72 | 1.651,43 | 1.655,14 | 1.658,85 | 1.662,56 | 1.666,27 | 1.669,97 | 1.673,68 | 1.677,38 | 1.681,08 |
| 180 | 1.684,78 | 1.688,48 | 1.692,18 | 1.695,88 | 1.699,58 | 1.703,27 | 1.706,96 | 1.710,66 | 1.714,35 | 1.718,04 |
| 190 | 1.721,73 | 1.725,42 | 1.729,10 | 1.732,79 | 1.736,48 | 1.740,16 | 1.743,84 | 1.747,52 | 1.751,20 | 1.754,88 |
| °C | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 200 | 1.758,56 | 1.762,24 | 1.765,91 | 1.769,59 | 1.773,26 | 1.776,93 | 1.780,60 | 1.784,27 | 1.787,94 | 1.791,61 |
| 210 | 1.795,28 | 1.798,94 | 1.802,60 | 1.806,27 | 1.809,93 | 1.813,59 | 1.817,25 | 1.820,91 | 1.824,56 | 1.828,22 |
| 220 | 1.831,88 | 1.835,53 | 1.839,18 | 1.842,83 | 1.846,48 | 1.850,13 | 1.853,78 | 1.857,43 | 1.861,07 | 1.864,72 |
| 230 | 1.868,36 | 1.872,00 | 1.875,64 | 1.879,28 | 1.882,92 | 1.886,56 | 1.890,19 | 1.893,83 | 1.897,46 | 1.901,10 |
| 240 | 1.904,73 | 1.908,36 | 1.911,99 | 1.915,62 | 1.919,24 | 1.922,87 | 1.926,49 | 1.930,12 | 1.933,74 | 1.937,36 |
| 250 | 1.940,98 | 1.944,60 | 1.948,22 | 1.951,83 | 1.955,45 | 1.959,06 | 1.962,68 | 1.966,29 | 1.969,90 | 1.973,51 |
| 260 | 1.977,12 | 1.980,73 | 1.984,33 | 1.987,94 | 1.991,54 | 1.995,14 | 1.998,75 | 2.002,35 | 2.005,95 | 2.009,54 |
| 270 | 2.013,14 | 2.016,74 | 2.020,33 | 2.023,93 | 2.027,52 | 2.031,11 | 2.034,70 | 2.038,29 | 2.041,88 | 2.045,46 |
| 280 | 2.049,05 | 2.052,63 | 2.056,22 | 2.059,80 | 2.063,38 | 2.066,96 | 2.070,54 | 2.074,11 | 2.077,69 | 2.081,27 |
| 290 | 2.084,84 | 2.088,41 | 2.091,98 | 2.095,55 | 2.099,12 | 2.102,69 | 2.106,26 | 2.109,82 | 2.113,39 | 2.116,95 |
| °C | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 300 | 2.120,52 | | | | | | | | | |

Accuracy DIN/IEC 751 class A = +/- (0,15+0,002*t)

Accuracy DIN/IEC 751 class B = +/- (0,30+0,005*t)

Accuracy DIN/IEC 751 class B 1/3 DIN = +/- (0,10 + 0.0017** t *)