

# T1 / T2 / T3 / T4

## TEMPERATURE SENSORS CHART

| T1/T2/T3/T4 Temperature Sensor |       |        |    |      |        |     |      |       |     |      |       |     |      |       |
|--------------------------------|-------|--------|----|------|--------|-----|------|-------|-----|------|-------|-----|------|-------|
| °F                             | °C    | kΩ     | °F | °C   | kΩ     | °F  | °C   | kΩ    | °F  | °C   | kΩ    | °F  | °C   | kΩ    |
| 0                              | -17.8 | 92.005 | 41 | 5.0  | 25.925 | 82  | 27.8 | 8.840 | 123 | 50.6 | 3.514 | 164 | 73.3 | 1.575 |
| 1                              | -17.2 | 88.967 | 42 | 5.6  | 25.201 | 83  | 28.3 | 8.637 | 124 | 51.1 | 3.441 | 165 | 73.9 | 1.547 |
| 2                              | -16.7 | 86.042 | 43 | 6.1  | 24.500 | 84  | 28.9 | 8.432 | 125 | 51.7 | 3.370 | 166 | 74.4 | 1.519 |
| 3                              | -16.1 | 83.225 | 44 | 6.7  | 23.822 | 85  | 29.4 | 8.232 | 126 | 52.2 | 3.301 | 167 | 75.0 | 1.492 |
| 4                              | -15.6 | 80.512 | 45 | 7.2  | 23.165 | 86  | 30.0 | 8.037 | 127 | 52.8 | 3.233 | 168 | 75.6 | 1.465 |
| 5                              | -15.0 | 77.898 | 46 | 7.8  | 22.528 | 87  | 30.6 | 7.848 | 128 | 53.3 | 3.167 | 169 | 76.1 | 1.439 |
| 6                              | -14.4 | 75.280 | 47 | 8.3  | 21.912 | 88  | 31.1 | 7.664 | 129 | 53.9 | 3.103 | 170 | 76.7 | 1.413 |
| 7                              | -13.9 | 72.954 | 48 | 8.9  | 21.314 | 89  | 31.7 | 7.484 | 130 | 54.4 | 3.040 | 171 | 77.2 | 1.388 |
| 8                              | -13.3 | 70.615 | 49 | 9.4  | 20.736 | 90  | 32.2 | 7.310 | 131 | 55.0 | 2.978 | 172 | 77.8 | 1.364 |
| 9                              | -12.8 | 68.361 | 50 | 10.0 | 20.175 | 91  | 32.8 | 7.140 | 132 | 55.6 | 2.918 | 173 | 78.3 | 1.340 |
| 10                             | -12.2 | 66.189 | 51 | 10.6 | 19.631 | 92  | 33.3 | 6.975 | 133 | 56.1 | 2.860 | 174 | 78.9 | 1.316 |
| 11                             | -11.7 | 64.094 | 52 | 11.1 | 19.104 | 93  | 33.9 | 6.814 | 134 | 56.7 | 2.803 | 175 | 79.4 | 1.293 |
| 12                             | -11.1 | 62.073 | 53 | 11.7 | 18.593 | 94  | 34.4 | 6.658 | 135 | 57.2 | 2.747 | 176 | 80.0 | 1.270 |
| 13                             | -10.6 | 60.125 | 54 | 12.2 | 18.098 | 95  | 35.0 | 6.506 | 136 | 57.8 | 2.692 | 177 | 80.6 | 1.248 |
| 14                             | -10.0 | 58.246 | 55 | 12.8 | 17.618 | 96  | 35.6 | 6.357 | 137 | 58.3 | 2.639 | 178 | 81.1 | 1.227 |
| 15                             | -9.4  | 56.433 | 56 | 13.3 | 17.152 | 97  | 36.1 | 6.213 | 138 | 58.9 | 2.587 | 179 | 81.7 | 1.205 |
| 16                             | -8.9  | 54.683 | 57 | 13.9 | 16.700 | 98  | 36.7 | 6.072 | 139 | 59.4 | 2.536 | 180 | 82.2 | 1.185 |
| 17                             | -8.3  | 52.995 | 58 | 14.4 | 16.262 | 99  | 37.2 | 5.935 | 140 | 60.0 | 2.486 | 181 | 82.8 | 1.164 |
| 18                             | -7.8  | 51.366 | 59 | 15.0 | 15.837 | 100 | 37.8 | 5.802 | 141 | 60.6 | 2.438 | 182 | 83.3 | 1.144 |
| 19                             | -7.2  | 49.793 | 60 | 15.6 | 15.425 | 101 | 38.3 | 5.672 | 142 | 61.1 | 2.390 | 183 | 83.9 | 1.125 |
| 20                             | -6.7  | 48.275 | 61 | 16.1 | 15.025 | 102 | 38.9 | 5.545 | 143 | 61.7 | 2.344 | 184 | 84.4 | 1.105 |
| 21                             | -6.1  | 46.809 | 62 | 16.7 | 14.637 | 103 | 39.4 | 5.422 | 144 | 62.2 | 2.298 | 185 | 85.0 | 1.087 |
| 22                             | -5.6  | 45.393 | 63 | 17.2 | 14.260 | 104 | 40.0 | 5.301 | 145 | 62.8 | 2.254 | 186 | 85.6 | 1.068 |
| 23                             | -5.0  | 44.028 | 64 | 17.8 | 13.894 | 105 | 40.6 | 5.184 | 146 | 63.3 | 2.211 | 187 | 86.1 | 1.050 |
| 24                             | -4.4  | 42.705 | 65 | 18.3 | 13.539 | 106 | 41.1 | 5.070 | 147 | 63.9 | 2.168 | 188 | 86.7 | 1.033 |
| 25                             | -3.9  | 41.430 | 66 | 18.9 | 13.195 | 107 | 41.7 | 4.959 | 148 | 64.4 | 2.127 | 189 | 87.2 | 1.015 |
| 26                             | -3.3  | 40.197 | 67 | 19.4 | 12.860 | 108 | 42.2 | 4.851 | 149 | 65.0 | 2.086 | 190 | 87.8 | 0.998 |
| 27                             | -2.8  | 39.006 | 68 | 20.0 | 12.535 | 109 | 42.8 | 4.745 | 150 | 65.6 | 2.047 | 191 | 88.3 | 0.982 |
| 28                             | -2.2  | 37.855 | 69 | 20.6 | 12.220 | 110 | 43.3 | 4.642 | 151 | 66.1 | 2.008 | 192 | 88.9 | 0.965 |
| 29                             | -1.7  | 36.742 | 70 | 21.1 | 11.914 | 111 | 43.9 | 4.542 | 152 | 66.7 | 1.970 | 193 | 89.4 | 0.949 |
| 30                             | -1.1  | 35.666 | 71 | 21.7 | 11.616 | 112 | 44.4 | 4.444 | 153 | 67.2 | 1.933 | 194 | 90.0 | 0.934 |
| 31                             | -0.6  | 34.626 | 72 | 22.2 | 11.327 | 113 | 45.0 | 4.348 | 154 | 67.8 | 1.897 | 195 | 90.6 | 0.918 |
| 32                             | 0.0   | 33.621 | 73 | 22.8 | 11.046 | 114 | 45.6 | 4.255 | 155 | 68.3 | 1.862 | 196 | 91.1 | 0.903 |
| 33                             | 0.6   | 32.648 | 74 | 23.3 | 10.773 | 115 | 46.1 | 4.164 | 156 | 68.9 | 1.827 | 197 | 91.7 | 0.888 |
| 34                             | 1.1   | 31.708 | 75 | 23.9 | 10.508 | 116 | 46.7 | 4.076 | 157 | 69.4 | 1.793 | 198 | 92.2 | 0.874 |
| 35                             | 1.7   | 30.798 | 76 | 24.4 | 10.250 | 117 | 47.2 | 3.989 | 158 | 70.0 | 1.760 | 199 | 92.8 | 0.860 |
| 36                             | 2.2   | 29.917 | 77 | 25.0 | 10.000 | 118 | 47.8 | 3.905 | 159 | 70.6 | 1.727 | 200 | 93.3 | 0.846 |
| 37                             | 2.8   | 29.066 | 78 | 25.6 | 9.757  | 119 | 48.3 | 3.823 | 160 | 71.1 | 1.696 |     |      |       |
| 38                             | 3.3   | 28.242 | 79 | 26.1 | 9.520  | 120 | 48.9 | 3.743 | 161 | 71.7 | 1.665 |     |      |       |
| 39                             | 3.9   | 27.444 | 80 | 26.7 | 9.289  | 121 | 49.4 | 3.665 | 162 | 72.2 | 1.634 |     |      |       |
| 40                             | 4.4   | 26.672 | 81 | 27.2 | 9.066  | 122 | 50.0 | 3.588 | 163 | 72.8 | 1.604 |     |      |       |



# TEMPERATURE SENSORS CHART

| T5 Temperature Sensor |       |         |    |      |         |     |      |        |     |      |        |     |      |       |     |       |       |     |       |       |
|-----------------------|-------|---------|----|------|---------|-----|------|--------|-----|------|--------|-----|------|-------|-----|-------|-------|-----|-------|-------|
| 'F                    | 'C    | kΩ      | 'F | 'C   | kΩ      | 'F  | 'C   | kΩ     | 'F  | 'C   | kΩ     | 'F  | 'C   | kΩ    | 'F  | 'C    | kΩ    |     |       |       |
| 0                     | -17.8 | 492.753 | 39 | 3.9  | 146.983 | 78  | 25.6 | 52.254 | 117 | 47.2 | 21.366 | 156 | 68.9 | 9.784 | 195 | 90.6  | 4.918 | 234 | 112.2 | 2.670 |
| 1                     | -17.2 | 476.483 | 40 | 4.4  | 142.848 | 79  | 26.1 | 50.987 | 118 | 47.8 | 20.915 | 157 | 69.4 | 9.603 | 196 | 91.1  | 4.837 | 235 | 112.8 | 2.631 |
| 2                     | -16.7 | 460.817 | 41 | 5.0  | 138.845 | 80  | 26.7 | 49.755 | 119 | 48.3 | 20.475 | 158 | 70.0 | 9.425 | 197 | 91.7  | 4.758 | 236 | 113.3 | 2.593 |
| 3                     | -16.1 | 445.730 | 42 | 5.6  | 134.970 | 81  | 27.2 | 48.557 | 120 | 48.9 | 20.045 | 159 | 70.6 | 9.251 | 198 | 92.2  | 4.680 | 237 | 113.9 | 2.555 |
| 4                     | -15.6 | 431.200 | 43 | 6.1  | 131.218 | 82  | 27.8 | 47.392 | 121 | 49.4 | 19.626 | 160 | 71.1 | 9.081 | 199 | 92.8  | 4.604 | 238 | 114.4 | 2.518 |
| 5                     | -15.0 | 417.202 | 44 | 6.7  | 127.584 | 83  | 28.3 | 46.260 | 122 | 50.0 | 19.217 | 161 | 71.7 | 8.915 | 200 | 93.3  | 4.529 | 239 | 115.0 | 2.482 |
| 6                     | -14.4 | 403.717 | 45 | 7.2  | 124.065 | 84  | 28.9 | 45.158 | 123 | 50.6 | 18.818 | 162 | 72.2 | 8.752 | 201 | 93.9  | 4.456 | 240 | 115.6 | 2.446 |
| 7                     | -13.9 | 390.722 | 46 | 7.8  | 120.656 | 85  | 29.4 | 44.087 | 124 | 51.1 | 18.429 | 163 | 72.8 | 8.593 | 202 | 94.4  | 4.384 | 241 | 116.1 | 2.410 |
| 8                     | -13.3 | 378.198 | 47 | 8.3  | 117.354 | 86  | 30.0 | 43.045 | 125 | 51.7 | 18.049 | 164 | 73.3 | 8.437 | 203 | 95.0  | 4.313 | 242 | 116.7 | 2.376 |
| 9                     | -12.8 | 366.127 | 48 | 8.9  | 114.154 | 87  | 30.6 | 42.031 | 126 | 52.2 | 17.678 | 165 | 73.9 | 8.285 | 204 | 95.6  | 4.244 | 243 | 117.2 | 2.342 |
| 10                    | -12.2 | 354.489 | 49 | 9.4  | 111.054 | 88  | 31.1 | 41.045 | 127 | 52.8 | 17.316 | 166 | 74.4 | 8.135 | 205 | 96.1  | 4.176 | 244 | 117.8 | 2.308 |
| 11                    | -11.7 | 343.269 | 50 | 10.0 | 108.050 | 89  | 31.7 | 40.085 | 128 | 53.3 | 16.963 | 167 | 75.0 | 7.989 | 206 | 96.7  | 4.110 | 245 | 118.3 | 2.276 |
| 12                    | -11.1 | 332.450 | 51 | 10.6 | 105.138 | 90  | 32.2 | 39.151 | 129 | 53.9 | 16.618 | 168 | 75.6 | 7.846 | 207 | 97.2  | 4.044 | 246 | 118.9 | 2.243 |
| 13                    | -10.6 | 322.015 | 52 | 11.1 | 102.316 | 91  | 32.8 | 38.242 | 130 | 54.4 | 16.281 | 169 | 76.1 | 7.706 | 208 | 97.8  | 3.980 | 247 | 119.4 | 2.211 |
| 14                    | -10.0 | 311.949 | 53 | 11.7 | 99.580  | 92  | 33.3 | 37.357 | 131 | 55.0 | 15.952 | 170 | 76.7 | 7.569 | 209 | 98.3  | 3.917 | 248 | 120.0 | 2.180 |
| 15                    | -9.4  | 302.239 | 54 | 12.2 | 96.927  | 93  | 33.9 | 36.496 | 132 | 55.6 | 15.630 | 171 | 77.2 | 7.434 | 210 | 98.9  | 3.856 | 249 | 120.6 | 2.150 |
| 16                    | -8.9  | 292.870 | 55 | 12.8 | 94.355  | 94  | 34.4 | 35.658 | 133 | 56.1 | 15.317 | 172 | 77.8 | 7.303 | 211 | 99.4  | 3.795 | 250 | 121.1 | 2.119 |
| 17                    | -8.3  | 283.828 | 56 | 13.3 | 91.861  | 95  | 35.0 | 34.842 | 134 | 56.7 | 15.010 | 173 | 78.3 | 7.174 | 212 | 100.0 | 3.736 | 251 | 121.7 | 2.090 |
| 18                    | -7.8  | 275.102 | 57 | 13.9 | 89.442  | 96  | 35.6 | 34.047 | 135 | 57.2 | 14.711 | 174 | 78.9 | 7.048 | 213 | 100.6 | 3.677 | 252 | 122.2 | 2.061 |
| 19                    | -7.2  | 266.679 | 58 | 14.4 | 87.096  | 97  | 36.1 | 33.274 | 136 | 57.8 | 14.419 | 175 | 79.4 | 6.924 | 214 | 101.1 | 3.620 | 253 | 122.8 | 2.032 |
| 20                    | -6.7  | 258.548 | 59 | 15.0 | 84.820  | 98  | 36.7 | 32.520 | 137 | 58.3 | 14.133 | 176 | 80.0 | 6.804 | 215 | 101.7 | 3.564 | 254 | 123.3 | 2.004 |
| 21                    | -6.1  | 250.696 | 60 | 15.6 | 82.612  | 99  | 37.2 | 31.787 | 138 | 58.9 | 13.854 | 177 | 80.6 | 6.685 | 216 | 102.2 | 3.509 | 255 | 123.9 | 1.976 |
| 22                    | -5.6  | 243.115 | 61 | 16.1 | 80.469  | 100 | 37.8 | 31.072 | 139 | 59.4 | 13.582 | 178 | 81.1 | 6.569 | 217 | 102.8 | 3.455 | 256 | 124.4 | 1.949 |
| 23                    | -5.0  | 235.792 | 62 | 16.7 | 78.390  | 101 | 38.3 | 30.376 | 140 | 60.0 | 13.315 | 179 | 81.7 | 6.455 | 218 | 103.3 | 3.402 | 257 | 125.0 | 1.922 |
| 24                    | -4.4  | 228.719 | 63 | 17.2 | 76.372  | 102 | 38.9 | 29.698 | 141 | 60.6 | 13.055 | 180 | 82.2 | 6.344 | 219 | 103.9 | 3.349 | 258 | 125.6 | 1.895 |
| 25                    | -3.9  | 221.886 | 64 | 17.8 | 74.414  | 103 | 39.4 | 29.037 | 142 | 61.1 | 12.801 | 181 | 82.8 | 6.235 | 220 | 104.4 | 3.298 | 259 | 126.1 | 1.869 |
| 26                    | -3.3  | 215.284 | 65 | 18.3 | 72.513  | 104 | 40.0 | 28.393 | 143 | 61.7 | 12.552 | 182 | 83.3 | 6.128 | 221 | 105.0 | 3.248 | 260 | 126.7 | 1.844 |
| 27                    | -2.8  | 208.905 | 66 | 18.9 | 70.667  | 105 | 40.6 | 27.766 | 144 | 62.2 | 12.309 | 183 | 83.9 | 6.023 | 222 | 105.6 | 3.198 | 261 | 127.2 | 1.819 |
| 28                    | -2.2  | 202.739 | 67 | 19.4 | 68.876  | 106 | 41.1 | 27.155 | 145 | 62.8 | 12.072 | 184 | 84.4 | 5.921 | 223 | 106.1 | 3.150 | 262 | 127.8 | 1.794 |
| 29                    | -1.7  | 196.780 | 68 | 20.0 | 67.136  | 107 | 41.7 | 26.559 | 146 | 63.3 | 11.840 | 185 | 85.0 | 5.820 | 224 | 106.7 | 3.102 | 263 | 128.3 | 1.770 |
| 30                    | -1.1  | 191.019 | 69 | 20.6 | 65.447  | 108 | 42.2 | 25.979 | 147 | 63.9 | 11.613 | 186 | 85.6 | 5.721 | 225 | 107.2 | 3.056 | 264 | 128.9 | 1.746 |
| 31                    | -0.6  | 185.449 | 70 | 21.1 | 63.806  | 109 | 42.8 | 25.413 | 148 | 64.4 | 11.391 | 187 | 86.1 | 5.625 | 226 | 107.8 | 3.010 | 265 | 129.4 | 1.722 |
| 32                    | 0.0   | 180.063 | 71 | 21.7 | 62.212  | 110 | 43.3 | 24.861 | 149 | 65.0 | 11.174 | 188 | 86.7 | 5.530 | 227 | 108.3 | 2.965 | 266 | 130.0 | 1.699 |
| 33                    | 0.6   | 174.855 | 72 | 22.2 | 60.664  | 111 | 43.9 | 24.323 | 150 | 65.6 | 10.962 | 189 | 87.2 | 5.437 | 228 | 108.9 | 2.920 | 267 | 130.6 | 1.677 |
| 34                    | 1.1   | 169.817 | 73 | 22.8 | 59.160  | 112 | 44.4 | 23.799 | 151 | 66.1 | 10.755 | 190 | 87.8 | 5.346 | 229 | 109.4 | 2.877 | 268 | 131.1 | 1.654 |
| 35                    | 1.7   | 164.944 | 74 | 23.3 | 57.698  | 113 | 45.0 | 23.288 | 152 | 66.7 | 10.552 | 191 | 88.3 | 5.257 | 230 | 110.0 | 2.834 | 269 | 131.7 | 1.632 |
| 36                    | 2.2   | 160.230 | 75 | 23.9 | 56.278  | 114 | 45.6 | 22.789 | 153 | 67.2 | 10.354 | 192 | 88.9 | 5.170 | 231 | 110.6 | 2.792 | 270 | 132.2 | 1.610 |
| 37                    | 2.8   | 155.669 | 76 | 24.4 | 54.899  | 115 | 46.1 | 22.303 | 154 | 67.8 | 10.160 | 193 | 89.4 | 5.084 | 232 | 111.1 | 2.751 |     |       |       |
| 38                    | 3.3   | 151.255 | 77 | 25.0 | 53.557  | 116 | 46.7 | 21.828 | 155 | 68.3 | 9.970  | 194 | 90.0 | 5.000 | 233 | 111.7 | 2.710 |     |       |       |
| 40                    | 4.4   | 142.848 | 81 | 27.2 | 48.557  | 122 | 50.0 | 19.217 | 163 | 72.8 | 8.593  | 204 | 95.6 | 4.244 | 245 | 118.3 | 2.276 |     |       |       |