

## RTD Temperature vs. Resistance Table (Alpha +0.00385)

| °C  | °F     | Ohms   | °C  | °F    | Ohms   | °C | °F    | Ohms   | °C  | °F    | Ohms   | °C  | °F    | Ohms   |
|-----|--------|--------|-----|-------|--------|----|-------|--------|-----|-------|--------|-----|-------|--------|
| -75 | -103   | 101.95 | -27 | -16.6 | 89.4   | 21 | 69.8  | 108.18 | 69  | 156.2 | 126.7  | 117 | 242.6 | 144.94 |
| -74 | -101.2 | 70.73  | -26 | -14.8 | 89.8   | 22 | 71.6  | 108.57 | 70  | 158   | 127.08 | 118 | 244.4 | 145.32 |
| -73 | -99.4  | 71.13  | -25 | -13   | 90.19  | 23 | 73.4  | 108.96 | 71  | 159.8 | 127.46 | 119 | 246.2 | 145.69 |
| -72 | -97.6  | 71.53  | -24 | -11.2 | 90.59  | 24 | 75.2  | 109.35 | 72  | 161.6 | 127.85 | 120 | 248   | 146.07 |
| -71 | -95.8  | 71.93  | -23 | -9.4  | 90.98  | 25 | 77    | 109.73 | 73  | 163.4 | 128.23 | 121 | 249.8 | 146.45 |
| -70 | -94    | 72.33  | -22 | -7.6  | 91.37  | 26 | 78.8  | 110.12 | 74  | 165.2 | 128.61 | 122 | 251.6 | 146.82 |
| -69 | -92.2  | 72.73  | -21 | -5.8  | 91.77  | 27 | 80.6  | 110.51 | 75  | 167   | 128.99 | 123 | 253.4 | 147.2  |
| -68 | -90.4  | 73.13  | -20 | -4    | 92.16  | 28 | 82.4  | 110.9  | 76  | 168.8 | 129.38 | 124 | 255.2 | 147.58 |
| -67 | -88.6  | 73.53  | -19 | -2.2  | 92.55  | 29 | 84.2  | 111.28 | 77  | 170.6 | 129.76 | 125 | 257   | 147.95 |
| -66 | -86.8  | 73.93  | -18 | -0.4  | 92.95  | 30 | 86    | 111.67 | 78  | 172.4 | 130.14 | 126 | 258.8 | 148.33 |
| -65 | -85    | 74.33  | -17 | 1.4   | 93.34  | 31 | 87.8  | 112.06 | 79  | 174.2 | 130.52 | 127 | 260.6 | 148.71 |
| -64 | -83.2  | 74.73  | -16 | 3.2   | 93.73  | 32 | 89.6  | 112.45 | 80  | 176   | 130.9  | 128 | 262.4 | 149.08 |
| -63 | -81.4  | 75.13  | -15 | 5     | 94.12  | 33 | 91.4  | 112.83 | 81  | 177.8 | 131.28 | 129 | 264.2 | 149.46 |
| -62 | -79.6  | 75.53  | -14 | 6.8   | 94.52  | 34 | 93.2  | 113.22 | 82  | 179.6 | 131.67 | 130 | 266   | 149.83 |
| -61 | -77.8  | 75.93  | -13 | 8.6   | 94.91  | 35 | 95    | 113.61 | 83  | 181.4 | 132.05 | 131 | 267.8 | 150.21 |
| -60 | -76    | 76.33  | -12 | 10.4  | 95.3   | 36 | 96.8  | 113.99 | 84  | 183.2 | 132.43 | 132 | 269.6 | 150.58 |
| -59 | -74.2  | 76.73  | -11 | 12.2  | 95.69  | 37 | 98.6  | 114.38 | 85  | 185   | 132.81 | 133 | 271.4 | 150.96 |
| -58 | -72.4  | 77.13  | -10 | 14    | 96.09  | 38 | 100.4 | 114.77 | 86  | 186.8 | 133.19 | 134 | 273.2 | 151.34 |
| -57 | -70.6  | 77.52  | -9  | 15.8  | 96.48  | 39 | 102.2 | 115.15 | 87  | 188.6 | 133.57 | 135 | 275   | 151.71 |
| -56 | -68.8  | 77.92  | -8  | 17.6  | 96.87  | 40 | 104   | 115.54 | 88  | 190.4 | 133.95 | 136 | 276.8 | 152.09 |
| -55 | -67    | 78.32  | -7  | 19.4  | 97.26  | 41 | 105.8 | 115.93 | 89  | 192.2 | 134.33 | 137 | 278.6 | 152.46 |
| -54 | -65.2  | 78.72  | -6  | 21.2  | 97.65  | 42 | 107.6 | 116.31 | 90  | 194   | 134.71 | 138 | 280.4 | 152.84 |
| -53 | -63.4  | 79.11  | -5  | 23    | 98.04  | 43 | 109.4 | 116.7  | 91  | 195.8 | 135.09 | 139 | 282.2 | 153.21 |
| -52 | -61.6  | 79.51  | -4  | 24.8  | 98.44  | 44 | 111.2 | 117.08 | 92  | 197.6 | 135.47 | 140 | 284   | 153.58 |
| -51 | -59.8  | 79.91  | -3  | 26.6  | 98.83  | 45 | 113   | 117.47 | 93  | 199.4 | 135.85 | 141 | 285.8 | 153.95 |
| -50 | -58    | 80.31  | -2  | 28.4  | 99.22  | 46 | 114.8 | 117.85 | 94  | 201.2 | 136.23 | 142 | 287.6 | 154.32 |
| -49 | -56.2  | 80.7   | -1  | 30.2  | 99.61  | 47 | 116.6 | 118.24 | 95  | 203   | 136.61 | 143 | 289.4 | 154.71 |
| -48 | -54.4  | 81.1   | 0   | 32    | 100    | 48 | 118.4 | 118.62 | 96  | 204.8 | 136.99 | 144 | 291.2 | 155.08 |
| -47 | -52.6  | 81.5   | 1   | 33.8  | 100.39 | 49 | 120.2 | 119.01 | 97  | 206.6 | 137.37 | 145 | 293   | 155.46 |
| -46 | -50.8  | 81.89  | 2   | 35.6  | 100.78 | 50 | 122   | 119.4  | 98  | 208.4 | 137.75 | 146 | 294.8 | 155.83 |
| -45 | -49    | 82.29  | 3   | 37.4  | 101.17 | 51 | 123.8 | 119.78 | 99  | 210.2 | 138.13 | 147 | 296.6 | 156.21 |
| -44 | -47.2  | 82.69  | 4   | 39.2  | 101.56 | 52 | 125.6 | 120.16 | 100 | 212   | 138.51 | 148 | 298.4 | 156.58 |
| -43 | -45.4  | 83.08  | 5   | 41    | 101.95 | 53 | 127.4 | 120.55 | 101 | 213.8 | 138.89 | 149 | 300.2 | 156.96 |
| -42 | -43.6  | 83.48  | 6   | 42.8  | 102.34 | 54 | 129.2 | 120.93 | 102 | 215.6 | 139.27 | 150 | 302   | 157.33 |
| -41 | -41.8  | 83.88  | 7   | 44.6  | 102.73 | 55 | 131   | 121.32 | 103 | 217.4 | 139.65 | 151 | 303.8 | 157.71 |
| -40 | -40    | 84.27  | 8   | 46.4  | 103.12 | 56 | 132.8 | 121.7  | 104 | 219.2 | 140.03 | 152 | 305.6 | 158.08 |
| -39 | -38.2  | 84.67  | 9   | 48.2  | 103.51 | 57 | 134.6 | 122.09 | 105 | 221   | 140.39 | 153 | 307.4 | 158.45 |
| -38 | -36.4  | 85.06  | 10  | 50    | 103.9  | 58 | 136.4 | 122.47 | 106 | 222.8 | 140.77 | 154 | 309.2 | 158.83 |
| -37 | -34.6  | 85.46  | 11  | 51.8  | 104.29 | 59 | 138.2 | 122.86 | 107 | 224.6 | 141.15 | 155 | 311   | 159.2  |
| -36 | -32.8  | 85.85  | 12  | 53.6  | 104.68 | 60 | 140   | 123.24 | 108 | 226.4 | 141.53 | 156 | 312.8 | 159.56 |
| -35 | -31    | 86.25  | 13  | 55.4  | 105.07 | 61 | 141.8 | 123.62 | 109 | 228.2 | 141.91 | 157 | 314.6 | 159.94 |
| -34 | -29.2  | 86.64  | 14  | 57.2  | 105.46 | 62 | 143.6 | 124.01 | 110 | 230   | 142.29 | 158 | 316.4 | 160.31 |
| -33 | -27.4  | 87.04  | 15  | 59    | 105.85 | 63 | 145.4 | 124.39 | 111 | 231.8 | 142.66 | 159 | 318.2 | 160.68 |
| -32 | -25.6  | 87.43  | 16  | 60.8  | 106.24 | 64 | 147.2 | 124.77 | 112 | 233.6 | 143.04 | 160 | 320   | 161.05 |
| -31 | -23.8  | 87.83  | 17  | 62.6  | 106.63 | 65 | 149   | 125.17 | 113 | 235.4 | 143.42 | 161 | 321.8 | 161.43 |
| -30 | -22    | 88.22  | 18  | 64.4  | 107.02 | 66 | 150.8 | 125.55 | 114 | 237.2 | 143.8  | 162 | 323.6 | 161.8  |
| -29 | -20.2  | 88.62  | 19  | 66.2  | 107.4  | 67 | 152.6 | 125.93 | 115 | 239   | 144.18 | 163 | 325.4 | 162.17 |
| -28 | -18.4  | 89.01  | 20  | 68    | 107.79 | 68 | 154.4 | 126.32 | 116 | 240.8 | 144.56 | 164 | 327.2 | 162.54 |

**RTD Temperature vs. Resistance Table (Alpha +0.00385)**

| °C  | °F    | Ohms   | °C  | °F    | Ohms   | °C  | °F    | Ohms   | °C  | °F    | Ohms   | °C  | °F    | Ohms   |
|-----|-------|--------|-----|-------|--------|-----|-------|--------|-----|-------|--------|-----|-------|--------|
| 165 | 329   | 162.91 | 213 | 415.4 | 180.63 | 261 | 501.8 | 198.07 | 309 | 588.2 | 215.26 | 357 | 674.6 | 232.16 |
| 166 | 330.8 | 163.28 | 214 | 417.2 | 180.99 | 262 | 503.6 | 198.43 | 310 | 590   | 215.61 | 358 | 676.4 | 232.51 |
| 167 | 332.6 | 163.66 | 215 | 419   | 181.36 | 263 | 505.4 | 198.79 | 311 | 591.8 | 215.97 | 359 | 678.2 | 232.86 |
| 168 | 334.4 | 164.03 | 216 | 420.8 | 181.73 | 264 | 507.2 | 199.15 | 312 | 593.6 | 216.32 | 360 | 680   | 233.21 |
| 169 | 336.2 | 164.4  | 217 | 422.6 | 182.09 | 265 | 509   | 199.51 | 313 | 595.4 | 216.68 | 361 | 681.8 | 233.56 |
| 170 | 338   | 164.77 | 218 | 424.4 | 182.46 | 266 | 510.8 | 199.87 | 314 | 597.2 | 217.03 | 362 | 683.6 | 233.91 |
| 171 | 339.8 | 165.14 | 219 | 426.2 | 182.82 | 267 | 512.6 | 200.23 | 315 | 599   | 217.39 | 363 | 685.4 | 234.26 |
| 172 | 341.6 | 165.51 | 220 | 428   | 183.19 | 268 | 514.4 | 200.59 | 316 | 600.8 | 217.73 | 364 | 687.2 | 234.6  |
| 173 | 343.4 | 165.88 | 221 | 429.8 | 183.55 | 269 | 516.2 | 200.95 | 317 | 602.6 | 218.08 | 365 | 689   | 234.95 |
| 174 | 345.2 | 166.25 | 222 | 431.6 | 183.92 | 270 | 518   | 201.31 | 318 | 604.4 | 218.44 | 366 | 690.8 | 235.3  |
| 175 | 347   | 166.62 | 223 | 433.4 | 184.28 | 271 | 519.8 | 201.67 | 319 | 606.2 | 218.79 | 367 | 692.6 | 235.65 |
| 176 | 348.8 | 167    | 224 | 435.2 | 184.65 | 272 | 521.6 | 202.03 | 320 | 608   | 219.15 | 368 | 694.4 | 236    |
| 177 | 350.6 | 167.37 | 225 | 437   | 185.01 | 273 | 523.4 | 202.38 | 321 | 609.8 | 219.5  | 369 | 696.2 | 236.35 |
| 178 | 352.4 | 167.74 | 226 | 438.8 | 185.38 | 274 | 525.2 | 202.74 | 322 | 611.6 | 219.85 | 370 | 698   | 236.7  |
| 179 | 354.2 | 168.11 | 227 | 440.6 | 185.74 | 275 | 527   | 203.1  | 323 | 613.4 | 220.21 | 371 | 699.8 | 237.05 |
| 180 | 356   | 168.48 | 228 | 442.4 | 186.11 | 276 | 528.8 | 203.46 | 324 | 615.2 | 220.56 | 372 | 701.6 | 237.4  |
| 181 | 357.8 | 168.85 | 229 | 444.2 | 186.47 | 277 | 530.6 | 203.82 | 325 | 617   | 220.91 | 373 | 703.4 | 237.75 |
| 182 | 359.6 | 169.22 | 230 | 446   | 186.84 | 278 | 532.4 | 204.18 | 326 | 618.8 | 221.27 | 374 | 705.2 | 238.09 |
| 183 | 361.4 | 169.59 | 231 | 447.8 | 187.2  | 279 | 534.2 | 204.54 | 327 | 620.6 | 221.62 | 375 | 707   | 238.44 |
| 184 | 363.2 | 169.96 | 232 | 449.6 | 187.56 | 280 | 536   | 204.9  | 328 | 622.4 | 221.97 | 376 | 708.8 | 238.79 |
| 185 | 365   | 170.33 | 233 | 451.4 | 187.93 | 281 | 537.8 | 205.25 | 329 | 624.2 | 222.32 | 377 | 710.6 | 239.14 |
| 186 | 366.8 | 170.69 | 234 | 453.2 | 188.29 | 282 | 539.6 | 205.61 | 330 | 626   | 222.68 | 378 | 712.4 | 239.48 |
| 187 | 368.6 | 171.06 | 235 | 455   | 188.65 | 283 | 541.4 | 205.97 | 331 | 627.8 | 223.03 | 379 | 714.2 | 239.83 |
| 188 | 370.4 | 171.43 | 236 | 456.8 | 189.02 | 284 | 543.2 | 206.33 | 332 | 629.6 | 223.38 | 380 | 716   | 240.18 |
| 189 | 372.2 | 171.8  | 237 | 458.6 | 189.38 | 285 | 545   | 206.7  | 333 | 631.4 | 223.73 | 381 | 717.8 | 240.52 |
| 190 | 374   | 172.17 | 238 | 460.4 | 189.74 | 286 | 546.8 | 207.05 | 334 | 633.2 | 224.09 | 382 | 719.6 | 240.87 |
| 191 | 375.8 | 172.54 | 239 | 462.2 | 190.11 | 287 | 548.6 | 207.41 | 335 | 635   | 224.45 | 383 | 721.4 | 241.22 |
| 192 | 377.6 | 172.91 | 240 | 464   | 190.47 | 288 | 550.4 | 207.77 | 336 | 636.8 | 224.8  | 384 | 723.2 | 241.56 |
| 193 | 379.4 | 173.27 | 241 | 465.8 | 190.83 | 289 | 552.2 | 208.13 | 337 | 638.6 | 225.15 | 385 | 725   | 241.91 |
| 194 | 381.2 | 173.64 | 242 | 467.6 | 191.2  | 290 | 554   | 208.48 | 338 | 640.4 | 225.5  | 386 | 726.8 | 242.25 |
| 195 | 383   | 174.01 | 243 | 469.4 | 191.56 | 291 | 555.8 | 208.84 | 339 | 642.2 | 225.85 | 387 | 728.6 | 242.6  |
| 196 | 384.8 | 174.39 | 244 | 471.2 | 191.92 | 292 | 557.6 | 209.2  | 340 | 644   | 226.21 | 388 | 730.4 | 242.95 |
| 197 | 386.6 | 174.75 | 245 | 473   | 192.28 | 293 | 559.4 | 209.55 | 341 | 645.8 | 226.56 | 389 | 732.2 | 243.29 |
| 198 | 388.4 | 175.12 | 246 | 474.8 | 192.66 | 294 | 561.2 | 209.91 | 342 | 647.6 | 226.91 | 390 | 734   | 243.64 |
| 199 | 390.2 | 175.49 | 247 | 476.6 | 193.02 | 295 | 563   | 210.27 | 343 | 649.4 | 227.26 | 391 | 735.8 | 243.98 |
| 200 | 392   | 175.86 | 248 | 478.4 | 193.38 | 296 | 564.8 | 210.62 | 344 | 651.2 | 227.61 | 392 | 737.6 | 244.33 |
| 201 | 393.8 | 176.23 | 249 | 480.2 | 193.74 | 297 | 566.6 | 210.98 | 345 | 653   | 227.96 | 393 | 739.4 | 244.67 |
| 202 | 395.6 | 176.59 | 250 | 482   | 194.1  | 298 | 568.4 | 211.34 | 346 | 654.8 | 228.31 | 394 | 741.2 | 245.02 |
| 203 | 397.4 | 176.96 | 251 | 483.8 | 194.47 | 299 | 570.2 | 211.69 | 347 | 656.6 | 228.66 | 395 | 743   | 245.36 |
| 204 | 399.2 | 177.33 | 252 | 485.6 | 194.83 | 300 | 572   | 212.05 | 348 | 658.4 | 229.01 | 396 | 744.8 | 245.71 |
| 205 | 401   | 177.7  | 253 | 487.4 | 195.19 | 301 | 573.8 | 212.4  | 349 | 660.2 | 229.36 | 397 | 746.6 | 246.05 |
| 206 | 402.8 | 178.06 | 254 | 489.2 | 195.55 | 302 | 575.6 | 212.76 | 350 | 662   | 229.72 | 398 | 748.4 | 246.4  |
| 207 | 404.6 | 178.43 | 255 | 491   | 195.9  | 303 | 577.4 | 213.12 | 351 | 663.8 | 230.07 | 399 | 750.2 | 246.74 |
| 208 | 406.4 | 178.8  | 256 | 492.8 | 196.26 | 304 | 579.2 | 213.47 | 352 | 665.6 | 230.42 | 400 | 752   | 247.09 |
| 209 | 408.2 | 179.16 | 257 | 494.6 | 196.62 | 305 | 581   | 213.83 | 353 | 667.4 | 230.77 |     |       |        |
| 210 | 410   | 179.53 | 258 | 496.4 | 196.98 | 306 | 582.8 | 214.19 | 354 | 669.2 | 231.12 |     |       |        |
| 211 | 411.8 | 179.9  | 259 | 498.2 | 197.35 | 307 | 584.6 | 214.55 | 355 | 671   | 231.47 |     |       |        |
| 212 | 413.6 | 180.26 | 260 | 500   | 197.71 | 308 | 586.4 | 214.9  | 356 | 672.8 | 231.81 |     |       |        |