

# RTD Temperature vs. Resistance Table

For European Curve, Alpha = .00385, ITS-90

1° Celsius Increments

| °C   | Ohms  | Diff. | °C   | Ohms  | Diff. | °C  | Ohms  | Diff. | °C  | Ohms  | Diff. | °C  | Ohms   | Diff. | °C  | Ohms   | Diff. |
|------|-------|-------|------|-------|-------|-----|-------|-------|-----|-------|-------|-----|--------|-------|-----|--------|-------|
| -200 | 18.52 |       | -140 | 43.88 | 0.42  | -80 | 68.33 | 0.41  | -20 | 92.16 | 0.39  | ± 0 | 100.00 | 0.39  | +60 | 123.24 | 0.38  |
| 199  | 18.96 | 0.44  | 139  | 44.29 | 0.41  | 79  | 68.73 | 0.40  | 19  | 92.55 | 0.39  | + 1 | 100.39 | 0.39  | 61  | 123.62 | 0.38  |
| 198  | 19.39 | 0.43  | 138  | 44.71 | 0.42  | 78  | 69.13 | 0.40  | 18  | 92.95 | 0.40  | 2   | 100.78 | 0.39  | 62  | 124.01 | 0.39  |
| 197  | 19.82 | 0.43  | 137  | 45.12 | 0.41  | 77  | 69.53 | 0.40  | 17  | 93.34 | 0.39  | 3   | 101.17 | 0.39  | 63  | 124.39 | 0.38  |
| 196  | 20.25 | 0.43  | 136  | 45.53 | 0.41  | 76  | 69.93 | 0.40  | 16  | 93.73 | 0.39  | 4   | 101.56 | 0.39  | 64  | 124.77 | 0.38  |
| 195  | 20.68 | 0.43  | 135  | 45.95 | 0.42  | 75  | 70.33 | 0.40  | 15  | 94.12 | 0.39  | 5   | 101.95 | 0.39  | 65  | 125.17 | 0.40  |
| 194  | 21.11 | 0.43  | 134  | 46.35 | 0.40  | 74  | 70.73 | 0.40  | 14  | 94.52 | 0.40  | 6   | 102.34 | 0.39  | 66  | 125.55 | 0.38  |
| 193  | 21.54 | 0.43  | 133  | 46.76 | 0.41  | 73  | 71.13 | 0.40  | 13  | 94.91 | 0.39  | 7   | 102.73 | 0.39  | 67  | 125.93 | 0.38  |
| 192  | 21.97 | 0.43  | 132  | 47.18 | 0.42  | 72  | 71.53 | 0.40  | 12  | 95.30 | 0.39  | 8   | 103.12 | 0.39  | 68  | 126.32 | 0.39  |
| 191  | 22.40 | 0.43  | 131  | 47.59 | 0.41  | 71  | 71.93 | 0.40  | 11  | 95.69 | 0.39  | 9   | 103.51 | 0.39  | 69  | 126.70 | 0.38  |
| 190  | 22.83 | 0.43  | 130  | 48.00 | 0.41  | 70  | 72.33 | 0.40  | 10  | 96.09 | 0.40  | 10  | 103.90 | 0.39  | 70  | 127.08 | 0.38  |
| 189  | 23.26 | 0.43  | 129  | 48.41 | 0.41  | 69  | 72.73 | 0.40  | 9   | 96.48 | 0.39  | 11  | 104.29 | 0.39  | 71  | 127.46 | 0.38  |
| 188  | 23.69 | 0.43  | 128  | 48.82 | 0.41  | 68  | 73.13 | 0.40  | 8   | 96.87 | 0.39  | 12  | 104.68 | 0.39  | 72  | 127.85 | 0.39  |
| 187  | 24.12 | 0.43  | 127  | 49.23 | 0.41  | 67  | 73.53 | 0.40  | 7   | 97.26 | 0.39  | 13  | 105.07 | 0.39  | 73  | 128.23 | 0.38  |
| 186  | 24.55 | 0.43  | 126  | 49.64 | 0.41  | 66  | 73.93 | 0.40  | 6   | 97.65 | 0.39  | 14  | 105.46 | 0.39  | 74  | 128.61 | 0.38  |
| 185  | 24.97 | 0.42  | 125  | 50.06 | 0.42  | 65  | 74.33 | 0.40  | 5   | 98.04 | 0.39  | 15  | 105.85 | 0.39  | 75  | 128.99 | 0.38  |
| 184  | 25.39 | 0.42  | 124  | 50.47 | 0.41  | 64  | 74.73 | 0.40  | 4   | 98.44 | 0.40  | 16  | 106.24 | 0.39  | 76  | 129.38 | 0.39  |
| 183  | 25.82 | 0.43  | 123  | 50.88 | 0.41  | 63  | 75.13 | 0.40  | 3   | 98.83 | 0.39  | 17  | 106.63 | 0.39  | 77  | 129.76 | 0.38  |
| 182  | 26.25 | 0.43  | 122  | 51.29 | 0.41  | 62  | 75.53 | 0.40  | 2   | 99.22 | 0.39  | 18  | 107.02 | 0.39  | 78  | 130.14 | 0.38  |
| 181  | 26.67 | 0.42  | 121  | 51.70 | 0.41  | 61  | 75.93 | 0.40  | 1   | 99.61 | 0.39  | 19  | 107.40 | 0.38  | 79  | 130.52 | 0.38  |
| 180  | 27.10 | 0.43  | 120  | 52.11 | 0.41  | 60  | 76.33 | 0.40  |     |       |       | 20  | 107.79 | 0.39  | 80  | 130.90 | 0.38  |
| 179  | 27.52 | 0.42  | 119  | 52.52 | 0.41  | 59  | 76.73 | 0.40  |     |       |       | 21  | 108.18 | 0.39  | 81  | 131.28 | 0.38  |
| 178  | 27.95 | 0.43  | 118  | 52.92 | 0.40  | 58  | 77.13 | 0.40  |     |       |       | 22  | 108.57 | 0.39  | 82  | 131.67 | 0.39  |
| 177  | 28.37 | 0.42  | 117  | 53.33 | 0.41  | 57  | 77.52 | 0.39  |     |       |       | 23  | 108.96 | 0.39  | 83  | 132.05 | 0.38  |
| 176  | 28.80 | 0.43  | 116  | 53.74 | 0.41  | 56  | 77.92 | 0.40  |     |       |       | 24  | 109.35 | 0.39  | 84  | 132.43 | 0.38  |
| 175  | 29.22 | 0.42  | 115  | 54.15 | 0.41  | 55  | 78.32 | 0.40  |     |       |       | 25  | 109.73 | 0.38  | 85  | 132.81 | 0.38  |
| 174  | 29.65 | 0.43  | 114  | 54.56 | 0.41  | 54  | 78.72 | 0.40  |     |       |       | 26  | 110.12 | 0.39  | 86  | 133.19 | 0.38  |
| 173  | 30.07 | 0.42  | 113  | 54.97 | 0.41  | 53  | 79.11 | 0.39  |     |       |       | 27  | 110.51 | 0.39  | 87  | 133.57 | 0.38  |
| 172  | 30.49 | 0.42  | 112  | 55.38 | 0.41  | 52  | 79.51 | 0.40  |     |       |       | 28  | 110.90 | 0.39  | 88  | 133.95 | 0.38  |
| 171  | 30.92 | 0.43  | 111  | 55.78 | 0.40  | 51  | 79.91 | 0.40  |     |       |       | 29  | 111.28 | 0.38  | 89  | 134.33 | 0.38  |
| 170  | 31.34 | 0.42  | 110  | 56.19 | 0.41  | 50  | 80.31 | 0.40  |     |       |       | 30  | 111.67 | 0.39  | 90  | 134.71 | 0.38  |
| 169  | 31.76 | 0.42  | 109  | 56.60 | 0.41  | 49  | 80.70 | 0.39  |     |       |       | 31  | 112.06 | 0.39  | 91  | 135.09 | 0.38  |
| 168  | 32.18 | 0.42  | 108  | 57.00 | 0.40  | 48  | 81.10 | 0.40  |     |       |       | 32  | 112.45 | 0.39  | 92  | 135.47 | 0.38  |
| 167  | 32.61 | 0.43  | 107  | 57.41 | 0.41  | 47  | 81.50 | 0.40  |     |       |       | 33  | 112.83 | 0.38  | 93  | 135.85 | 0.38  |
| 166  | 33.03 | 0.42  | 106  | 57.82 | 0.41  | 46  | 81.89 | 0.39  |     |       |       | 34  | 113.22 | 0.39  | 94  | 136.23 | 0.38  |
| 165  | 33.45 | 0.42  | 105  | 58.22 | 0.40  | 45  | 82.29 | 0.40  |     |       |       | 35  | 113.61 | 0.39  | 95  | 136.61 | 0.38  |
| 164  | 33.86 | 0.41  | 104  | 58.63 | 0.41  | 44  | 82.69 | 0.40  |     |       |       | 36  | 113.99 | 0.38  | 96  | 136.99 | 0.38  |
| 163  | 34.28 | 0.42  | 103  | 59.04 | 0.41  | 43  | 83.08 | 0.39  |     |       |       | 37  | 114.38 | 0.39  | 97  | 137.37 | 0.38  |
| 162  | 34.70 | 0.42  | 102  | 59.44 | 0.40  | 42  | 83.48 | 0.40  |     |       |       | 38  | 114.77 | 0.39  | 98  | 137.75 | 0.38  |
| 161  | 35.12 | 0.42  | 101  | 59.85 | 0.41  | 41  | 83.88 | 0.40  |     |       |       | 39  | 115.15 | 0.38  | 99  | 138.13 | 0.38  |
| 160  | 35.54 | 0.42  | 100  | 60.26 | 0.41  | 40  | 84.27 | 0.39  |     |       |       | 40  | 115.54 | 0.39  | 100 | 138.51 | 0.38  |
| 159  | 35.96 | 0.42  | 99   | 60.67 | 0.41  | 39  | 84.67 | 0.40  |     |       |       | 41  | 115.93 | 0.39  | 101 | 138.89 | 0.38  |
| 158  | 36.38 | 0.42  | 98   | 61.07 | 0.40  | 38  | 85.06 | 0.39  |     |       |       | 42  | 116.31 | 0.38  | 102 | 139.27 | 0.38  |
| 157  | 36.80 | 0.42  | 97   | 61.48 | 0.41  | 37  | 85.46 | 0.40  |     |       |       | 43  | 116.70 | 0.39  | 103 | 139.65 | 0.38  |
| 156  | 37.22 | 0.42  | 96   | 61.87 | 0.41  | 36  | 85.85 | 0.39  |     |       |       | 44  | 117.08 | 0.38  | 104 | 140.03 | 0.38  |
| 155  | 37.63 | 0.41  | 95   | 62.29 | 0.42  | 35  | 86.25 | 0.40  |     |       |       | 45  | 117.47 | 0.39  | 105 | 140.39 | 0.36  |
| 154  | 38.05 | 0.42  | 94   | 62.69 | 0.40  | 34  | 86.64 | 0.39  |     |       |       | 46  | 117.85 | 0.38  | 106 | 140.77 | 0.38  |
| 153  | 38.47 | 0.42  | 93   | 63.10 | 0.41  | 33  | 87.04 | 0.40  |     |       |       | 47  | 118.24 | 0.39  | 107 | 141.15 | 0.38  |
| 152  | 38.89 | 0.42  | 92   | 63.50 | 0.40  | 32  | 87.43 | 0.39  |     |       |       | 48  | 118.62 | 0.38  | 108 | 141.53 | 0.38  |
| 151  | 39.31 | 0.42  | 91   | 63.91 | 0.41  | 31  | 87.83 | 0.40  |     |       |       | 49  | 119.01 | 0.39  | 109 | 141.91 | 0.38  |
| 150  | 39.72 | 0.41  | 90   | 64.30 | 0.39  | 30  | 88.22 | 0.39  |     |       |       | 50  | 119.40 | 0.39  | 110 | 142.29 | 0.38  |
| 149  | 40.14 | 0.42  | 89   | 64.70 | 0.40  | 29  | 88.62 | 0.40  |     |       |       | 51  | 119.78 | 0.38  | 111 | 142.66 | 0.37  |
| 148  | 40.56 | 0.42  | 88   | 65.11 | 0.41  | 28  | 89.01 | 0.39  |     |       |       | 52  | 120.16 | 0.38  | 112 | 143.04 | 0.38  |
| 147  | 40.97 | 0.41  | 87   | 65.51 | 0.40  | 27  | 89.40 | 0.39  |     |       |       | 53  | 120.55 | 0.39  | 113 | 143.42 | 0.38  |
| 146  | 41.39 | 0.42  | 86   | 65.91 | 0.40  | 26  | 89.80 | 0.40  |     |       |       | 54  | 120.93 | 0.38  | 114 | 143.80 | 0.38  |
| 145  | 41.80 | 0.41  | 85   | 66.31 | 0.40  | 25  | 90.19 | 0.39  |     |       |       | 55  | 121.32 | 0.39  | 115 | 144.18 | 0.38  |
| 144  | 42.22 | 0.42  | 84   | 66.72 | 0.41  | 24  | 90.59 | 0.40  |     |       |       | 56  | 121.70 | 0.38  | 116 | 144.56 | 0.38  |
| 143  | 42.64 | 0.42  | 83   | 67.12 | 0.40  | 23  | 90.98 | 0.39  |     |       |       | 57  | 122.09 | 0.39  | 117 | 144.94 | 0.38  |
| 142  | 43.05 | 0.41  | 82   | 67.52 | 0.40  | 22  | 91.37 | 0.39  |     |       |       | 58  | 122.47 | 0.38  | 118 | 145.32 | 0.38  |
| 141  | 43.46 | 0.41  | 81   | 67.92 | 0.40  | 21  | 91.77 | 0.40  |     |       |       | 59  | 122.86 | 0.39  | 119 | 145.69 | 0.37  |

Note: At 100°C, resistance is 138.50 ohms.

(DIN 43 760)

# RTD Temperature vs. Resistance Table

For European Curve, Alpha = .00385, ITS-90

1° Celsius Increments

| °C   | Ohms   | Diff. | °C   | Ohms   | Diff. | °C   | Ohms   | Diff. | °C   | Ohms   | Diff. | °C   | Ohms   | Diff. | °C   | Ohms   | Diff. |
|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|
| +120 | 146.07 | 0.38  | +180 | 168.48 | 0.37  | +240 | 190.47 | 0.36  | +300 | 212.05 | 0.36  | +360 | 233.21 | 0.35  | +420 | 253.96 | 0.34  |
| 121  | 146.45 | 0.38  | 181  | 168.85 | 0.37  | 241  | 190.83 | 0.36  | 301  | 212.40 | 0.35  | 361  | 233.56 | 0.35  | 421  | 254.30 | 0.34  |
| 122  | 146.82 | 0.37  | 182  | 169.22 | 0.37  | 242  | 191.20 | 0.37  | 302  | 212.76 | 0.36  | 362  | 233.91 | 0.35  | 422  | 254.65 | 0.35  |
| 123  | 147.20 | 0.38  | 183  | 169.59 | 0.37  | 243  | 191.56 | 0.36  | 303  | 213.12 | 0.36  | 363  | 234.26 | 0.35  | 423  | 254.99 | 0.34  |
| 124  | 147.58 | 0.38  | 184  | 169.96 | 0.37  | 244  | 191.92 | 0.36  | 304  | 213.47 | 0.35  | 364  | 234.60 | 0.36  | 424  | 255.33 | 0.34  |
| 125  | 147.95 | 0.37  | 185  | 170.33 | 0.37  | 245  | 192.28 | 0.36  | 305  | 213.83 | 0.36  | 365  | 234.95 | 0.35  | 425  | 255.67 | 0.34  |
| 126  | 148.33 | 0.38  | 186  | 170.69 | 0.36  | 246  | 192.66 | 0.38  | 306  | 214.19 | 0.36  | 366  | 235.30 | 0.35  | 426  | 256.01 | 0.34  |
| 127  | 148.71 | 0.38  | 187  | 171.06 | 0.37  | 247  | 193.02 | 0.36  | 307  | 214.55 | 0.36  | 367  | 235.65 | 0.35  | 427  | 256.35 | 0.34  |
| 128  | 149.08 | 0.37  | 188  | 171.43 | 0.37  | 248  | 193.38 | 0.36  | 308  | 214.90 | 0.35  | 368  | 236.00 | 0.35  | 428  | 256.70 | 0.35  |
| 129  | 149.46 | 0.38  | 189  | 171.80 | 0.37  | 249  | 193.74 | 0.36  | 309  | 215.26 | 0.36  | 369  | 236.35 | 0.35  | 429  | 257.04 | 0.34  |
| 130  | 149.83 | 0.37  | 190  | 172.17 | 0.37  | 250  | 194.10 | 0.36  | 310  | 215.61 | 0.35  | 370  | 236.70 | 0.35  | 430  | 257.38 | 0.34  |
| 131  | 150.21 | 0.38  | 191  | 172.54 | 0.37  | 251  | 194.47 | 0.37  | 311  | 215.97 | 0.36  | 371  | 237.05 | 0.35  | 431  | 257.72 | 0.34  |
| 132  | 150.58 | 0.37  | 192  | 172.91 | 0.37  | 252  | 194.83 | 0.36  | 312  | 216.32 | 0.35  | 372  | 237.40 | 0.35  | 432  | 258.06 | 0.34  |
| 133  | 150.96 | 0.38  | 193  | 173.27 | 0.36  | 253  | 195.19 | 0.36  | 313  | 216.68 | 0.36  | 373  | 237.75 | 0.35  | 433  | 258.40 | 0.34  |
| 134  | 151.34 | 0.38  | 194  | 173.64 | 0.37  | 254  | 195.55 | 0.36  | 314  | 217.03 | 0.35  | 374  | 238.09 | 0.34  | 434  | 258.74 | 0.34  |
| 135  | 151.71 | 0.37  | 195  | 174.01 | 0.37  | 255  | 195.90 | 0.35  | 315  | 217.39 | 0.36  | 375  | 238.44 | 0.35  | 435  | 259.08 | 0.34  |
| 136  | 152.09 | 0.38  | 196  | 174.39 | 0.38  | 256  | 196.26 | 0.36  | 316  | 217.73 | 0.34  | 376  | 238.79 | 0.35  | 436  | 259.42 | 0.34  |
| 137  | 152.46 | 0.37  | 197  | 174.75 | 0.36  | 257  | 196.62 | 0.36  | 317  | 218.08 | 0.35  | 377  | 239.14 | 0.35  | 437  | 259.76 | 0.34  |
| 138  | 152.84 | 0.38  | 198  | 175.12 | 0.37  | 258  | 196.98 | 0.36  | 318  | 218.44 | 0.36  | 378  | 239.48 | 0.34  | 438  | 260.10 | 0.34  |
| 139  | 153.21 | 0.37  | 199  | 175.49 | 0.37  | 259  | 197.35 | 0.37  | 319  | 218.79 | 0.35  | 379  | 239.83 | 0.35  | 439  | 260.44 | 0.34  |
| 140  | 153.58 | 0.37  | 200  | 175.86 | 0.37  | 260  | 197.71 | 0.36  | 320  | 219.15 | 0.36  | 380  | 240.18 | 0.35  | 440  | 260.78 | 0.34  |
| 141  | 153.95 | 0.37  | 201  | 176.23 | 0.37  | 261  | 198.07 | 0.36  | 321  | 219.50 | 0.35  | 381  | 240.52 | 0.34  | 441  | 261.12 | 0.34  |
| 142  | 154.32 | 0.37  | 202  | 176.59 | 0.36  | 262  | 198.43 | 0.36  | 322  | 219.85 | 0.35  | 382  | 240.87 | 0.35  | 442  | 261.46 | 0.34  |
| 143  | 154.71 | 0.39  | 203  | 176.96 | 0.37  | 263  | 198.79 | 0.36  | 323  | 220.21 | 0.36  | 383  | 241.22 | 0.35  | 443  | 261.80 | 0.34  |
| 144  | 155.08 | 0.37  | 204  | 177.33 | 0.37  | 264  | 199.15 | 0.36  | 324  | 220.56 | 0.35  | 384  | 241.56 | 0.34  | 444  | 262.14 | 0.34  |
| 145  | 155.46 | 0.38  | 205  | 177.70 | 0.37  | 265  | 199.51 | 0.36  | 325  | 220.91 | 0.35  | 385  | 241.91 | 0.35  | 445  | 262.48 | 0.34  |
| 146  | 155.83 | 0.37  | 206  | 178.06 | 0.36  | 266  | 199.87 | 0.36  | 326  | 221.27 | 0.36  | 386  | 242.25 | 0.34  | 446  | 262.83 | 0.35  |
| 147  | 156.21 | 0.38  | 207  | 178.43 | 0.37  | 267  | 200.23 | 0.36  | 327  | 221.62 | 0.35  | 387  | 242.60 | 0.35  | 447  | 263.17 | 0.34  |
| 148  | 156.58 | 0.37  | 208  | 178.80 | 0.37  | 268  | 200.59 | 0.36  | 328  | 221.97 | 0.35  | 388  | 242.95 | 0.35  | 448  | 263.50 | 0.33  |
| 149  | 156.96 | 0.38  | 209  | 179.16 | 0.36  | 269  | 200.95 | 0.36  | 329  | 222.32 | 0.35  | 389  | 243.29 | 0.34  | 449  | 263.84 | 0.34  |
| 150  | 157.33 | 0.37  | 210  | 179.53 | 0.37  | 270  | 201.31 | 0.36  | 330  | 222.68 | 0.36  | 390  | 243.64 | 0.35  | 450  | 264.18 | 0.34  |
| 151  | 157.71 | 0.38  | 211  | 179.90 | 0.37  | 271  | 201.67 | 0.36  | 331  | 223.03 | 0.35  | 391  | 243.98 | 0.34  | 451  | 264.52 | 0.34  |
| 152  | 158.08 | 0.37  | 212  | 180.26 | 0.36  | 272  | 202.03 | 0.36  | 332  | 223.38 | 0.35  | 392  | 244.33 | 0.35  | 452  | 264.86 | 0.34  |
| 153  | 158.45 | 0.37  | 213  | 180.63 | 0.37  | 273  | 202.38 | 0.35  | 333  | 223.73 | 0.35  | 393  | 244.67 | 0.34  | 453  | 265.20 | 0.34  |
| 154  | 158.83 | 0.38  | 214  | 180.99 | 0.36  | 274  | 202.74 | 0.36  | 334  | 224.09 | 0.36  | 394  | 245.02 | 0.35  | 454  | 265.54 | 0.34  |
| 155  | 159.20 | 0.37  | 215  | 181.36 | 0.37  | 275  | 203.10 | 0.36  | 335  | 224.45 | 0.36  | 395  | 245.36 | 0.34  | 455  | 265.87 | 0.33  |
| 156  | 159.56 | 0.36  | 216  | 181.73 | 0.37  | 276  | 203.46 | 0.36  | 336  | 224.80 | 0.35  | 396  | 245.71 | 0.35  | 456  | 266.21 | 0.34  |
| 157  | 159.94 | 0.38  | 217  | 182.09 | 0.36  | 277  | 203.82 | 0.36  | 337  | 225.15 | 0.35  | 397  | 246.05 | 0.34  | 457  | 266.55 | 0.34  |
| 158  | 160.31 | 0.37  | 218  | 182.46 | 0.37  | 278  | 204.18 | 0.36  | 338  | 225.50 | 0.35  | 398  | 246.40 | 0.35  | 458  | 266.89 | 0.34  |
| 159  | 160.68 | 0.37  | 219  | 182.82 | 0.36  | 279  | 204.54 | 0.36  | 339  | 225.85 | 0.35  | 399  | 246.74 | 0.34  | 459  | 267.22 | 0.33  |
| 160  | 161.05 | 0.37  | 220  | 183.19 | 0.37  | 280  | 204.90 | 0.36  | 340  | 226.21 | 0.36  | 400  | 247.09 | 0.35  | 460  | 267.56 | 0.34  |
| 161  | 161.43 | 0.38  | 221  | 183.55 | 0.36  | 281  | 205.25 | 0.35  | 341  | 226.56 | 0.35  | 401  | 247.43 | 0.34  | 461  | 267.90 | 0.34  |
| 162  | 161.80 | 0.37  | 222  | 183.92 | 0.37  | 282  | 205.61 | 0.36  | 342  | 226.91 | 0.35  | 402  | 247.78 | 0.35  | 462  | 268.24 | 0.34  |
| 163  | 162.17 | 0.37  | 223  | 184.28 | 0.36  | 283  | 205.97 | 0.36  | 343  | 227.26 | 0.35  | 403  | 248.12 | 0.34  | 463  | 268.57 | 0.33  |
| 164  | 162.54 | 0.37  | 224  | 184.65 | 0.37  | 284  | 206.33 | 0.36  | 344  | 227.61 | 0.35  | 404  | 248.46 | 0.34  | 464  | 268.91 | 0.34  |
| 165  | 162.91 | 0.37  | 225  | 185.01 | 0.36  | 285  | 206.70 | 0.37  | 345  | 227.96 | 0.35  | 405  | 248.81 | 0.35  | 465  | 269.25 | 0.34  |
| 166  | 163.28 | 0.37  | 226  | 185.38 | 0.37  | 286  | 207.05 | 0.35  | 346  | 228.31 | 0.35  | 406  | 249.15 | 0.34  | 466  | 269.58 | 0.33  |
| 167  | 163.66 | 0.38  | 227  | 185.74 | 0.36  | 287  | 207.41 | 0.36  | 347  | 228.66 | 0.35  | 407  | 249.50 | 0.35  | 467  | 269.92 | 0.34  |
| 168  | 164.03 | 0.37  | 228  | 186.11 | 0.37  | 288  | 207.77 | 0.36  | 348  | 229.01 | 0.35  | 408  | 249.84 | 0.34  | 468  | 270.26 | 0.34  |
| 169  | 164.40 | 0.37  | 229  | 186.47 | 0.36  | 289  | 208.13 | 0.36  | 349  | 229.36 | 0.35  | 409  | 250.18 | 0.34  | 469  | 270.59 | 0.33  |
| 170  | 164.77 | 0.37  | 230  | 186.84 | 0.37  | 290  | 208.48 | 0.35  | 350  | 229.72 | 0.34  | 410  | 250.53 | 0.35  | 470  | 270.93 | 0.34  |
| 171  | 165.14 | 0.37  | 231  | 187.20 | 0.36  | 291  | 208.84 | 0.36  | 351  | 230.07 | 0.35  | 411  | 250.89 | 0.34  | 471  | 271.27 | 0.34  |
| 172  | 165.51 | 0.37  | 232  | 187.56 | 0.36  | 292  | 209.20 | 0.36  | 352  | 230.42 | 0.35  | 412  | 251.21 | 0.34  | 472  | 271.60 | 0.33  |
| 173  | 165.88 | 0.37  | 233  | 187.93 | 0.37  | 293  | 209.55 | 0.35  | 353  | 230.77 | 0.35  | 413  | 251.55 | 0.34  | 473  | 271.94 | 0.34  |
| 174  | 166.25 | 0.37  | 234  | 188.29 | 0.36  | 294  | 209.91 | 0.36  | 354  | 231.12 | 0.35  | 414  | 251.90 | 0.35  | 474  | 272.27 | 0.33  |
| 175  | 166.62 | 0.37  | 235  | 188.65 | 0.36  | 295  | 210.27 | 0.36  | 355  | 231.47 | 0.35  | 415  | 252.24 | 0.34  | 475  | 272.61 | 0.34  |
| 176  | 167.00 | 0.38  | 236  | 189.02 | 0.37  | 296  | 210.62 | 0.35  | 356  | 231.81 | 0.36  | 416  | 252.59 | 0.35  | 476  | 272.95 | 0.34  |
| 177  | 167.37 | 0.37  | 237  | 189.38 | 0.36  | 297  | 210.98 | 0.36  | 357  | 232.16 | 0.35  | 417  | 252.94 | 0.35  | 477  | 273.28 | 0.33  |
| 178  | 167.74 | 0.37  | 238  | 189.74 | 0.36  | 298  | 211.34 | 0.36  | 358  | 232.51 | 0.35  | 418  | 253.28 | 0.34  | 478  | 273.62 | 0.34  |
| 179  | 168.11 | 0.37  | 239  | 190.11 | 0.37  | 299  | 211.69 | 0.35  | 359  | 232.86 | 0.35  | 419  | 253.62 | 0.34  | 479  | 273.95 | 0.33  |

Note: At 100°C, resistance is 138.50 ohms.

(DIN 43 760)

# RTD Temperature vs. Resistance Table

For European Curve, Alpha = .00385, ITS-90

1° Celsius Increments

| °C   | Ohms   | Diff. | °C   | Ohms   | Diff. | °C   | Ohms   | Diff. | °C   | Ohms   | Diff. | °C   | Ohms   | Diff. | °C   | Ohms   | Diff. |
|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|------|--------|-------|
| +480 | 274.29 | 0.34  | +542 | 294.87 | 0.33  | +604 | 315.00 | 0.32  | +666 | 334.68 | 0.32  | +728 | 353.91 | 0.30  | +790 | 372.71 | 0.30  |
| 481  | 274.62 | 0.33  | 543  | 295.20 | 0.33  | 605  | 315.32 | 0.32  | 667  | 334.99 | 0.31  | 729  | 354.22 | 0.31  | 791  | 373.01 | 0.30  |
| 482  | 274.96 | 0.34  | 544  | 295.53 | 0.33  | 606  | 315.64 | 0.32  | 668  | 335.31 | 0.32  | 730  | 354.53 | 0.31  | 792  | 373.31 | 0.30  |
| 483  | 275.29 | 0.33  | 545  | 295.85 | 0.32  | 607  | 315.96 | 0.32  | 669  | 335.62 | 0.31  | 731  | 354.83 | 0.30  | 793  | 373.61 | 0.30  |
| 484  | 275.63 | 0.34  | 546  | 296.18 | 0.33  | 608  | 316.28 | 0.32  | 670  | 335.93 | 0.31  | 732  | 355.14 | 0.31  | 794  | 373.91 | 0.30  |
| 485  | 275.96 | 0.33  | 547  | 296.51 | 0.33  | 609  | 316.60 | 0.32  | 671  | 336.25 | 0.32  | 733  | 355.44 | 0.30  | 795  | 374.21 | 0.30  |
| 486  | 276.31 | 0.34  | 548  | 296.84 | 0.33  | 610  | 316.92 | 0.32  | 672  | 336.56 | 0.31  | 734  | 355.75 | 0.31  | 796  | 374.51 | 0.30  |
| 487  | 276.64 | 0.33  | 549  | 297.16 | 0.32  | 611  | 317.24 | 0.32  | 673  | 336.87 | 0.31  | 735  | 356.06 | 0.31  | 797  | 374.80 | 0.29  |
| 488  | 276.97 | 0.33  | 550  | 297.49 | 0.33  | 612  | 317.56 | 0.32  | 674  | 337.18 | 0.31  | 736  | 356.37 | 0.31  | 798  | 374.10 | 0.30  |
| 489  | 277.31 | 0.34  | 551  | 297.82 | 0.33  | 613  | 317.88 | 0.32  | 675  | 337.50 | 0.32  | 737  | 356.68 | 0.31  | 799  | 375.40 | 0.30  |
| 490  | 277.64 | 0.33  | 552  | 298.14 | 0.32  | 614  | 318.20 | 0.32  | 676  | 337.81 | 0.31  | 738  | 356.98 | 0.30  | 800  | 375.70 | 0.30  |
| 491  | 277.98 | 0.34  | 553  | 298.47 | 0.33  | 615  | 318.52 | 0.32  | 677  | 338.12 | 0.31  | 739  | 357.29 | 0.31  | 801  | 376.00 | 0.30  |
| 492  | 278.31 | 0.33  | 554  | 298.80 | 0.33  | 616  | 318.85 | 0.33  | 678  | 338.43 | 0.31  | 740  | 357.59 | 0.30  | 802  | 376.29 | 0.29  |
| 493  | 278.64 | 0.33  | 555  | 299.12 | 0.32  | 617  | 319.17 | 0.32  | 679  | 338.75 | 0.32  | 741  | 357.90 | 0.31  | 803  | 376.59 | 0.30  |
| 494  | 278.98 | 0.34  | 556  | 299.45 | 0.33  | 618  | 319.49 | 0.32  | 680  | 339.06 | 0.31  | 742  | 358.20 | 0.30  | 804  | 376.89 | 0.30  |
| 495  | 279.31 | 0.33  | 557  | 299.78 | 0.33  | 619  | 319.81 | 0.32  | 681  | 339.37 | 0.31  | 743  | 358.51 | 0.31  | 805  | 377.19 | 0.30  |
| 496  | 279.64 | 0.33  | 558  | 300.10 | 0.32  | 620  | 320.12 | 0.31  | 682  | 339.68 | 0.31  | 744  | 358.81 | 0.30  | 806  | 377.49 | 0.30  |
| 497  | 279.98 | 0.34  | 559  | 300.43 | 0.33  | 621  | 320.44 | 0.32  | 683  | 339.99 | 0.31  | 745  | 359.12 | 0.31  | 807  | 377.79 | 0.30  |
| 498  | 280.31 | 0.33  | 560  | 300.75 | 0.32  | 622  | 320.76 | 0.32  | 684  | 340.30 | 0.31  | 746  | 359.42 | 0.30  | 808  | 378.09 | 0.30  |
| 499  | 280.64 | 0.33  | 561  | 301.08 | 0.33  | 623  | 321.08 | 0.32  | 685  | 340.62 | 0.32  | 747  | 359.72 | 0.30  | 809  | 378.39 | 0.30  |
| 500  | 280.98 | 0.34  | 562  | 301.41 | 0.33  | 624  | 321.40 | 0.32  | 686  | 340.94 | 0.32  | 748  | 360.03 | 0.31  | 810  | 378.68 | 0.29  |
| 501  | 281.31 | 0.33  | 563  | 301.73 | 0.32  | 625  | 321.72 | 0.32  | 687  | 341.25 | 0.31  | 749  | 360.33 | 0.30  | 811  | 378.98 | 0.30  |
| 502  | 281.64 | 0.33  | 564  | 302.06 | 0.33  | 626  | 322.03 | 0.31  | 688  | 341.55 | 0.30  | 750  | 360.64 | 0.31  | 812  | 379.28 | 0.30  |
| 503  | 281.97 | 0.33  | 565  | 302.38 | 0.32  | 627  | 322.34 | 0.31  | 689  | 341.87 | 0.32  | 751  | 360.94 | 0.30  | 813  | 379.57 | 0.29  |
| 504  | 282.31 | 0.34  | 566  | 302.71 | 0.33  | 628  | 322.66 | 0.32  | 690  | 342.18 | 0.31  | 752  | 361.24 | 0.30  | 814  | 379.87 | 0.30  |
| 505  | 282.64 | 0.33  | 567  | 303.03 | 0.32  | 629  | 322.98 | 0.32  | 691  | 342.49 | 0.31  | 753  | 361.55 | 0.31  | 815  | 380.17 | 0.30  |
| 506  | 282.97 | 0.33  | 568  | 303.36 | 0.33  | 630  | 323.30 | 0.32  | 692  | 342.80 | 0.31  | 754  | 361.85 | 0.30  | 816  | 380.46 | 0.29  |
| 507  | 283.30 | 0.33  | 569  | 303.68 | 0.32  | 631  | 323.61 | 0.31  | 693  | 343.11 | 0.31  | 755  | 362.15 | 0.30  | 817  | 380.76 | 0.30  |
| 508  | 283.63 | 0.33  | 570  | 304.01 | 0.33  | 632  | 323.93 | 0.32  | 694  | 343.42 | 0.31  | 756  | 362.46 | 0.31  | 818  | 381.05 | 0.29  |
| 509  | 283.97 | 0.34  | 571  | 304.33 | 0.32  | 633  | 324.25 | 0.32  | 695  | 343.73 | 0.31  | 757  | 362.76 | 0.30  | 819  | 381.35 | 0.30  |
| 510  | 284.30 | 0.33  | 572  | 304.66 | 0.33  | 634  | 324.57 | 0.32  | 696  | 344.04 | 0.31  | 758  | 363.06 | 0.30  | 820  | 381.65 | 0.30  |
| 511  | 284.63 | 0.33  | 573  | 304.98 | 0.32  | 635  | 324.88 | 0.31  | 697  | 344.35 | 0.31  | 759  | 363.36 | 0.30  | 821  | 381.94 | 0.29  |
| 512  | 284.96 | 0.33  | 574  | 305.30 | 0.32  | 636  | 325.21 | 0.33  | 698  | 344.66 | 0.31  | 760  | 363.67 | 0.31  | 822  | 382.24 | 0.30  |
| 513  | 285.29 | 0.33  | 575  | 305.63 | 0.33  | 637  | 325.53 | 0.32  | 699  | 344.97 | 0.31  | 761  | 363.97 | 0.30  | 823  | 382.53 | 0.29  |
| 514  | 285.62 | 0.33  | 576  | 305.95 | 0.32  | 638  | 325.85 | 0.32  | 700  | 345.28 | 0.31  | 762  | 364.27 | 0.30  | 824  | 382.83 | 0.30  |
| 515  | 285.95 | 0.33  | 577  | 306.28 | 0.33  | 639  | 326.16 | 0.31  | 701  | 345.59 | 0.31  | 763  | 364.57 | 0.30  | 825  | 383.12 | 0.29  |
| 516  | 286.30 | 0.35  | 578  | 306.60 | 0.32  | 640  | 326.48 | 0.32  | 702  | 345.90 | 0.31  | 764  | 364.88 | 0.31  | 826  | 383.42 | 0.30  |
| 517  | 286.63 | 0.33  | 579  | 306.92 | 0.32  | 641  | 326.79 | 0.31  | 703  | 346.21 | 0.31  | 765  | 365.18 | 0.30  | 827  | 383.71 | 0.29  |
| 518  | 286.96 | 0.33  | 580  | 307.25 | 0.33  | 642  | 327.11 | 0.32  | 704  | 346.52 | 0.31  | 766  | 365.49 | 0.31  | 828  | 384.01 | 0.30  |
| 519  | 287.29 | 0.33  | 581  | 307.57 | 0.32  | 643  | 327.43 | 0.32  | 705  | 346.83 | 0.31  | 767  | 365.79 | 0.30  | 829  | 384.30 | 0.29  |
| 520  | 287.62 | 0.33  | 582  | 307.89 | 0.32  | 644  | 327.74 | 0.31  | 706  | 346.15 | 0.32  | 768  | 366.09 | 0.30  | 830  | 384.60 | 0.30  |
| 521  | 287.95 | 0.33  | 583  | 308.22 | 0.33  | 645  | 328.06 | 0.32  | 707  | 347.46 | 0.31  | 769  | 366.40 | 0.31  | 831  | 384.89 | 0.29  |
| 522  | 288.28 | 0.33  | 584  | 308.54 | 0.32  | 646  | 328.38 | 0.32  | 708  | 347.76 | 0.30  | 770  | 366.70 | 0.30  | 832  | 385.18 | 0.29  |
| 523  | 288.61 | 0.33  | 585  | 308.86 | 0.32  | 647  | 328.69 | 0.31  | 709  | 348.07 | 0.31  | 771  | 367.00 | 0.30  | 833  | 385.48 | 0.30  |
| 524  | 288.94 | 0.33  | 586  | 309.19 | 0.33  | 648  | 329.01 | 0.32  | 710  | 348.38 | 0.31  | 772  | 367.30 | 0.30  | 834  | 385.77 | 0.29  |
| 525  | 289.27 | 0.33  | 587  | 309.51 | 0.32  | 649  | 329.32 | 0.31  | 711  | 348.69 | 0.31  | 773  | 367.60 | 0.30  | 835  | 386.07 | 0.30  |
| 526  | 289.60 | 0.33  | 588  | 309.83 | 0.32  | 650  | 329.64 | 0.32  | 712  | 349.00 | 0.31  | 774  | 367.90 | 0.30  | 836  | 386.37 | 0.30  |
| 527  | 289.93 | 0.33  | 589  | 310.15 | 0.32  | 651  | 329.95 | 0.31  | 713  | 349.31 | 0.31  | 775  | 368.20 | 0.30  | 837  | 386.66 | 0.29  |
| 528  | 290.26 | 0.33  | 590  | 310.48 | 0.33  | 652  | 330.27 | 0.32  | 714  | 349.61 | 0.30  | 776  | 368.50 | 0.30  | 838  | 386.96 | 0.30  |
| 529  | 290.59 | 0.33  | 591  | 310.80 | 0.32  | 653  | 330.58 | 0.31  | 715  | 349.92 | 0.31  | 777  | 368.81 | 0.31  | 839  | 387.25 | 0.29  |
| 530  | 290.92 | 0.33  | 592  | 311.12 | 0.32  | 654  | 330.90 | 0.32  | 716  | 350.23 | 0.31  | 778  | 369.11 | 0.30  | 840  | 387.55 | 0.30  |
| 531  | 291.25 | 0.33  | 593  | 311.45 | 0.33  | 655  | 331.21 | 0.31  | 717  | 350.54 | 0.31  | 779  | 369.41 | 0.30  | 841  | 387.84 | 0.29  |
| 532  | 291.58 | 0.33  | 594  | 311.78 | 0.33  | 656  | 331.53 | 0.32  | 718  | 350.85 | 0.31  | 780  | 369.71 | 0.30  | 842  | 388.13 | 0.29  |
| 533  | 291.90 | 0.32  | 595  | 312.10 | 0.32  | 657  | 331.84 | 0.31  | 719  | 351.15 | 0.30  | 781  | 370.01 | 0.30  | 843  | 388.42 | 0.29  |
| 534  | 292.23 | 0.33  | 596  | 312.43 | 0.33  | 658  | 332.16 | 0.32  | 720  | 351.46 | 0.31  | 782  | 370.31 | 0.30  | 844  | 388.72 | 0.30  |
| 535  | 292.56 | 0.33  | 597  | 312.75 | 0.32  | 659  | 332.47 | 0.31  | 721  | 351.77 | 0.31  | 783  | 370.61 | 0.30  | 845  | 389.01 | 0.29  |
| 536  | 292.90 | 0.34  | 598  | 313.07 | 0.32  | 660  | 332.79 | 0.32  | 722  | 352.07 | 0.30  | 784  | 370.91 | 0.30  | 846  | 389.31 | 0.30  |
| 537  | 293.23 | 0.33  | 599  | 313.39 | 0.32  | 661  | 333.10 | 0.31  | 723  | 352.38 | 0.31  | 785  | 371.21 | 0.30  | 847  | 389.61 | 0.30  |
| 538  | 293.56 | 0.33  | 600  | 313.71 | 0.32  | 662  | 333.41 | 0.31  | 724  | 352.69 | 0.31  | 786  | 371.52 | 0.31  | 848  | 389.90 | 0.29  |
| 539  | 293.89 | 0.33  | 601  | 314.04 | 0.33  | 663  | 333.73 | 0.32  | 725  | 352.99 | 0.30  | 787  | 371.82 | 0.30  | 849  | 390.19 | 0.29  |
| 540  | 294.21 | 0.32  | 602  | 314.36 | 0.32  | 664  | 334.04 | 0.31  | 726  | 353.30 | 0.31  | 788  | 372.12 | 0.30  | 850  | 390.48 | 0.29  |
| 541  | 294.54 | 0.33  | 603  | 314.68 | 0.32  | 665  | 334.36 | 0.32  | 727  | 353.61 | 0.31  | 789  | 372.41 | 0.29  |      |        |       |

Note: At 100°C, resistance is 138.50 ohms.

(DIN 43 760)