

# TEMPERATURE-RESISTANCE TABLES

## Curve A Temperature Coefficient of Resistance .00392 ohms/ohm/°C

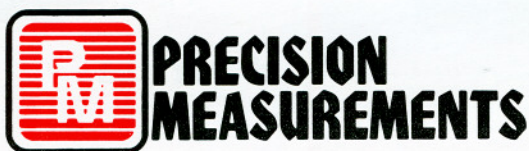
|       |        |        |        |        |        |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| °C    | 0      | -10    | -20    | -30    | -40    | -50    | -60    | -70    | -80    | -90    | -100   |
| 0     | 100.00 | 96.02  | 92.03  | 88.17  | 84.00  | 79.97  | 75.93  | 71.87  | 67.79  | 63.70  | 59.79  |
| °C    | 0      | +10    | +20    | +30    | +40    | +50    | +60    | +70    | +80    | +90    | +100   |
| 0     | 100.00 | 103.97 | 107.93 | 111.87 | 115.81 | 119.73 | 123.64 | 127.54 | 131.42 | 135.30 | 139.16 |
| +100  | 139.16 | 143.01 | 146.85 | 150.68 | 154.49 | 158.30 | 162.09 | 165.87 | 169.64 | 173.40 | 177.14 |
| +200  | 177.14 | 180.88 | 184.60 | 188.31 | 192.01 | 195.70 | 199.37 | 203.03 | 206.69 | 210.33 | 213.95 |
| +300  | 213.95 | 217.57 | 221.17 | 224.77 | 228.35 | 231.92 | 235.47 | 239.02 | 242.55 | 246.08 | 249.59 |
| +400  | 249.59 | 253.09 | 256.57 | 260.05 | 263.51 | 266.96 | 270.40 | 273.83 | 277.25 | 280.65 | 284.04 |
| +500  | 284.04 | 287.43 | 290.79 | 294.15 | 297.50 | 300.83 | 304.15 | 307.47 | 310.76 | 314.05 | 317.33 |
| +600  | 317.33 | 320.59 | 323.84 | 327.08 |        |        |        |        |        |        |        |
| °F    | 0      | -20    | -40    | -60    | -80    | -100   | -120   | -140   | -160   | -180   | -200   |
| 0     | 92.93  | 88.47  | 84.00  | 79.52  | 75.04  | 70.52  | 66.00  | 61.40  | 56.79  | 52.17  | 47.53  |
| °F    | 0      | +20    | +40    | +60    | +80    | +100   | +120   | +140   | +160   | +180   | +200   |
| 0     | 92.93  | 97.35  | 101.77 | 106.17 | 110.56 | 114.93 | 119.29 | 123.64 | 127.97 | 132.28 | 136.59 |
| +200  | 136.59 | 140.87 | 145.16 | 149.40 | 153.65 | 157.88 | 162.09 | 166.29 | 170.48 | 174.65 | 178.81 |
| +400  | 178.81 | 182.95 | 187.08 | 191.20 | 195.30 | 199.37 | 203.44 | 207.50 | 211.54 | 215.57 | 219.58 |
| +600  | 219.58 | 223.58 | 227.56 | 231.52 | 235.48 | 239.44 | 243.66 | 247.27 | 251.17 | 255.06 | 258.92 |
| +800  | 258.92 | 262.78 | 266.62 | 270.44 | 274.25 | 278.05 | 281.85 | 285.56 | 289.36 | 293.06 | 296.76 |
| +1000 | 296.76 | 300.56 | 304.16 | 307.82 | 311.48 |        |        |        |        |        |        |

## Curve D Temperature Coefficient of Resistance .00385 ohms/ohm/°C

|      |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| °C   | 0      | -10    | -20    | -30    | -40    | -50    | -60    | -70    | -80    | -90    | -100   |
| 0    | 100.00 | 96.09  | 92.16  | 88.22  | 84.27  | 80.31  | 76.33  | 72.33  | 68.32  | 64.30  | 60.25  |
| °C   | 0      | +10    | +20    | +30    | +40    | +50    | +60    | +70    | +80    | +90    | +100   |
| 0    | 100.00 | 103.90 | 107.79 | 111.67 | 115.54 | 119.39 | 123.24 | 127.07 | 130.89 | 134.70 | 138.50 |
| 100  | 138.50 | 142.29 | 146.06 | 149.82 | 153.58 | 157.32 | 161.05 | 164.76 | 168.47 | 172.16 | 175.84 |
| 200  | 175.84 | 179.51 | 183.17 | 186.82 | 190.46 | 194.08 | 197.69 | 201.30 | 204.89 | 208.46 | 212.03 |
| 300  | 212.03 | 215.59 | 219.13 | 222.66 | 226.18 | 229.69 | 233.19 | 236.67 | 240.15 | 243.61 | 247.06 |
| 400  | 247.06 | 250.50 | 253.93 | 257.34 | 260.75 | 264.14 | 267.52 | 270.89 | 274.25 | 277.60 | 280.93 |
| 500  | 280.93 | 284.26 | 287.57 | 290.87 | 294.16 | 297.44 | 300.70 | 303.96 | 307.20 | 310.43 | 313.65 |
| 600  | 313.65 | 316.86 | 320.05 | 323.24 | 326.41 | 329.57 | 332.72 | 335.86 | 338.99 | 342.10 | 345.21 |
| °F   | 0      | -20    | -40    | -60    | -80    | -100   | -120   | -140   | -160   | -180   | -200   |
| 0    | 93.01  | 88.61  | 84.21  | 79.81  | 75.39  | 70.95  | 66.49  | 62.00  | 57.49  | 52.95  | 48.30  |
| °F   | 0      | +20    | +40    | +60    | +80    | +100   | +120   | +140   | +160   | +180   | +200   |
| 0    | 93.01  | 97.38  | 101.74 | 106.06 | 110.38 | 114.68 | 118.97 | 123.24 | 127.50 | 131.74 | 135.97 |
| 200  | 135.97 | 140.18 | 144.38 | 148.57 | 152.74 | 156.90 | 161.04 | 165.17 | 169.29 | 173.39 | 177.48 |
| 400  | 177.48 | 181.55 | 185.61 | 189.65 | 193.68 | 197.69 | 201.69 | 205.68 | 209.65 | 213.61 | 217.55 |
| 600  | 217.55 | 221.48 | 225.40 | 229.30 | 233.19 | 237.06 | 240.92 | 244.76 | 248.59 | 252.40 | 256.20 |
| 800  | 256.20 | 259.99 | 263.76 | 267.52 | 271.27 | 274.99 | 278.71 | 282.41 | 286.10 | 289.77 | 293.43 |
| 1000 | 293.43 | 297.07 | 300.70 | 304.32 | 307.92 | 311.50 | 315.07 |        |        |        |        |

### Special Sensors

Changes in material and size are normally available. Consult factory for assistance.



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