



BREARLEY

An **RM&C** Brand

TEMPERATURE

Product Data Sheet

DS3503

Thermocouple Chart

| Type | Useful operating range | Maximum T/C grade range | EMP over maximum range | Standard limits of error | UK (Obsolete) | USA | Germany (Obsolete) | Japan | France (Obsolete) | IEC 584-3 |
|----------------------|---|-------------------------|------------------------|-------------------------------------|---------------|-----|--------------------|-------|-------------------|-----------|
| E | T/C grade -200 to 900°C Ext grade 0 to 200°C | -270 to 1000°C | -9.835 to 76.373mV | 1.7°C or 0.5% whichever is greater | | | | | | |
| J | T/C grade 0 to 750°C Ext grade 0 to 200°C | -210 to 1200°C | -8.095 to 69.553mV | 2.2°C or 0.75% whichever is greater | | | | | | |
| K | T/C grade -200 to 1250°C Ext grade 0 to 200°C | -270 to 1372°C | -6.458 to 54.886mV | 2.2°C or 0.75% whichever is greater | | | | | | |
| N | T/C grade -270 to 1300°C Ext grade 0 to 200°C | -270 to 1300°C | -4.345 to 47.513mV | 2.2°C or 0.75% whichever is greater | | | | | | |
| R | T/C grade 0 to 1500°C Ext grade 0 to 150°C | -50 to 1768°C | -0.226 to 21.101mV | 1.5°C or 0.25% whichever is greater | | | | | | |
| S | T/C grade 0 to 1500°C Ext grade 0 to 150°C | -50 to 1768°C | -0.236 to 18.693mV | 1.5°C or 0.25% whichever is greater | | | | | | |
| T | T/C grade -250 to 350°C Ext grade -60 to 100°C | -270 to 400°C | -6.258 to 20.872mV | 1.0°C or 0.75% whichever is greater | | | | | | |
| U_x | Ext grade 0 to 50°C | | | | | | | | | |
| V_x | Ext grade 0 to 80°C | | | | | | | | | |

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