



KD INSTRUMENTS

SALES - SERVICE - MANUFACTURE

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| EXTENSION | Code | Conductor Combinations | | AMERICAN to ANSI/MC96.1 | BRITISH to BS 1843 | GERMAN to DIN 43714 | JAPANESE to JIS C 1610-1981 | FRENCH to NF C 42-323 | INTERNATIONAL TO IEC 584 | Type | Temperature Range °C | Limits of Error (which ever is greater) | |
|--------------|---|--|---|-------------------------|--------------------|---------------------|-----------------------------|-----------------------|--------------------------|-----------------------|------------------------------------|---|---|
| | | + leg | - leg | | | | | | | | | Standard Grade | Special Grade |
| | | | | | | | | | | | | | |
| EXTENSION | K | Nickel-Chromium Also known as Chromel, Ni-Cr, T1. | Nickel-Aluminium (magnetic) Also known as Ni-Al, Alumel, KN, T2. | | | | | | | K | 0 to 1250 -200 to 0 | ±2.2°C or ±0.75% ±2.2°C or ±2.0% | ±1.1°C or ±0.4% |
| | | | | KX | 0 to 200 | ±2.2°C | | | | | | | |
| | T | Copper | Copper-Nickel Also known as Cupron, Constantan. | | | | | | | T | 0 to 400 -200 to 0 | ±1°C or ±0.75% ±1°C or ±1.5% | ±0.5°C or ±0.4% |
| | | | | TX | -60 to 100 | ±1°C | ±0.5° | | | | | | |
| | J | Iron (magnetic) Also known as Fe. | Copper-Nickel Also known as Constantan, Cupron. | | | | | | | J | 0 to 750 | ±2.2°C or ±0.75% | ±1.1°C or ±0.4% |
| JX | -60 to 100 | ±2.2°C | ±1.1°C | | | | | | | | | | |
| E | Nickel-Chromium Also known as Chromel, Chromium, Nickel. | Copper-Nickel Also known as Constantan, Cupron. | | | | | | | E | 0 to 900 -200 to 0 | ±1.7°C or ±0.5% ±1.7°C or ±1.0% | ±1.0°C or ±0.4% | |
| EX | 0 to 200 | ±1.7°C | | | | | | | | | | | |
| N | Nickel-Chromium-Silicon Also known as Nicrosil | Nickel-Chromium-Magnesium Also known as Nisil | | | | | | | N | 0 to 1300 | ±2.2°C or ±0.75% | | |
| NX | 0 to 200 | ±2.2°C | | | | | | | | | | | |
| COMPENSATING | VX | Copper Compensates for Type K | Copper-Nickel Also known as Constantan, Cupron. | | | | | | | VX | 0 to 100 | ±3.0°C | |
| | SX RX | Copper Compensates for Type R & S | Copper-Low Value Nickel | | | | | | | SX RX | 0 to 100 | ±0.04mV | Note: The non linearity of Types S & R temperature emf curves means that the error introduced into a thermocouple system by the compensating wire is variable when expressed in degrees. Therefore tolerance given in millivolt |
| | WX | Iron | Copper-Nickel Alloy | | | | | | | WX | 0 to 200 | ±2.2°C | |