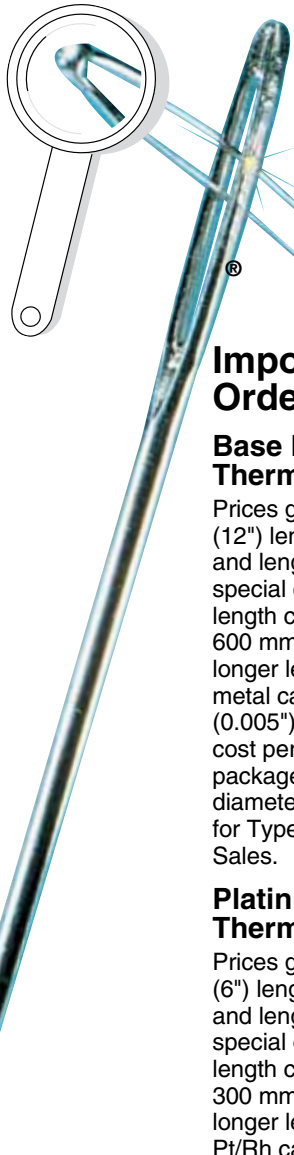


# Unsheathed Fine Gage Thermocouples

Convenient Packages of 5

Shown smaller than actual size.



## Important Ordering Notes

### Base Metal Thermocouples

Prices given for 300 mm (12") lengths. Other sizes and lengths are available on special order. A 300 mm (12") length corresponds to a 600 mm (24") loop. To order longer lead lengths for base metal calibrations of 0.125 mm (0.005") or larger, additional cost per 300 mm (12") per package. Additional wire diameters are also available for Type N. Please check with Sales.

### Platinum/Rhodium Thermocouples

Prices given for 150 mm (6") lengths. Other sizes and lengths are available on special order. A 150 mm (6") length corresponds to a 300 mm (12") loop. To order longer lead lengths for Pt/Rh calibrations, see the table (below right).

## Base Metal Calibrations: 300 mm (12") Length Standard—Package of 5

| Calibration                   | Wire Dia. mm (in) | Model Number |
|-------------------------------|-------------------|--------------|
| <b>J</b><br>Iron-Constantan   | 0.025 (0.001)     | IRCO-001     |
|                               | 0.050 (0.002)     | IRCO-002     |
|                               | 0.075 (0.003)     | IRCO-003     |
|                               | 0.125 (0.005)     | IRCO-005     |
|                               | 0.25 (0.010)      | IRCO-010     |
|                               | 0.38 (0.015)      | IRCO-015     |
|                               | 0.5 (0.020)       | IRCO-020     |
|                               | 0.81 (0.032)      | IRCO-032     |
| <b>T</b><br>Copper-Constantan | 0.025 (0.001)     | COCO-001     |
|                               | 0.050 (0.002)     | COCO-002     |
|                               | 0.075 (0.003)     | COCO-003     |
|                               | 0.125 (0.005)     | COCO-005     |
|                               | 0.25 (0.010)      | COCO-010     |
|                               | 0.38 (0.015)      | COCO-015     |
|                               | 0.5 (0.020)       | COCO-020     |
|                               | 0.81 (0.032)      | COCO-032     |
| <b>N</b><br>OMEGA-P®-OMEGA-N® | 0.075 (0.003)     | OPON-003     |
|                               | 0.125 (0.005)     | OPON-005     |
|                               | 0.25 (0.010)      | OPON-010     |
|                               | 0.50 (0.020)      | OPON-020     |
|                               | 0.81 (0.032)      | OPON-032     |

| Calibration                    | Wire Dia. mm (in)                | Model Number                |
|--------------------------------|----------------------------------|-----------------------------|
| <b>K</b><br>CHROMEPA®-ALOMEGA® | 0.013 (0.0005) <sup>†</sup>      | CHAL-0005                   |
|                                | 0.025 (0.001)                    | CHAL-001                    |
|                                | 0.050 (0.002)                    | CHAL-002                    |
|                                | 0.075 (0.003)                    | CHAL-003                    |
|                                | 0.125 (0.005)                    | CHAL-005                    |
|                                | 0.25 (0.010)                     | CHAL-010                    |
|                                | 0.38 (0.015)                     | CHAL-015                    |
|                                | 0.50 (0.020)                     | CHAL-020                    |
|                                | 0.81 (0.032)                     | CHAL-032                    |
|                                | <b>E</b><br>CHROMEPA®-Constantan | 0.013 (0.0005) <sup>†</sup> |
| 0.025 (0.001)                  |                                  | CHCO-001                    |
| 0.050 (0.002)                  |                                  | CHCO-002                    |
| 0.075 (0.003)                  |                                  | CHCO-003                    |
| 0.125 (0.005)                  |                                  | CHCO-005                    |
| 0.25 (0.010)                   |                                  | CHCO-010                    |
| 0.38 (0.015)                   |                                  | CHCO-015                    |
| 0.50 (0.020)                   |                                  | CHCO-020                    |
| 0.81 (0.032)                   |                                  | CHCO-032                    |

<sup>†</sup> 0.013 mm (0.0005") diameter wires supplied with 200 mm (8") leads; maximum length 300 mm (12").  
Note: Shorter lead is negative lead.

## Pt/Rh Calibrations: 150 mm (6") Length Standard—Sold Individually

| Calibration             | Wire Dia. mm (in) | Model Number |
|-------------------------|-------------------|--------------|
| <b>R</b><br>Pt/13%Rh-Pt | 0.025 (0.001)     | P13R-001     |
|                         | 0.050 (0.002)     | P13R-002     |
|                         | 0.075 (0.003)     | P13R-003     |
|                         | 0.125 (0.005)     | P13R-005     |
|                         | 0.20 (0.008)      | P13R-008     |
|                         | 0.25 (0.010)      | P13R-010     |
|                         | 0.38 (0.015)      | P13R-015     |
|                         | 0.50 (0.020)      | P13R-020     |
|                         | 0.81 (0.032)      | P13R-032     |

| Calibration             | Wire Dia. mm (in) | Model Number |
|-------------------------|-------------------|--------------|
| <b>S</b><br>Pt/10%Rh-Pt | 0.025 (0.001)     | P10R-001     |
|                         | 0.050 (0.002)     | P10R-002     |
|                         | 0.075 (0.003)     | P10R-003     |
|                         | 0.125 (0.005)     | P10R-005     |
|                         | 0.20 (0.008)      | P10R-008     |
|                         | 0.25 (0.010)      | P10R-010     |
|                         | 0.38 (0.015)      | P10R-015     |
|                         | 0.50 (0.020)      | P10R-020     |
|                         | 0.81 (0.032)      | P10R-032     |

## Pt/Rh Calibrations: 150 mm (6") Length Standard—Sold Individually

| Calibration                   | Wire Dia. mm (in) | Model Number |
|-------------------------------|-------------------|--------------|
| <b>B</b><br>Pt/30%Rh-Pt/6%Rh- | 0.20 (0.008)      | P30R-008     |
|                               | 0.25 (0.010)      | P30R-010     |
|                               | 0.38 (0.015)      | P30R-015     |
|                               | 0.50 (0.020)      | P30R-020     |
|                               | 0.81 (0.032)      | P30R-032     |

**SPECIAL SIZES, ALLOYS OR ASSEMBLIES**  
Orders for special sizes, alloys or assemblies should be explicit and accompanied by a sketch or print, if possible.

Base metal thermocouples 0.125 mm (0.005") diameter and larger are made with Special Limits of Error wire.  
Thermocouple insulator model nos. SH, DH, FS and OV also featured in this section.  
Note: Published price is based on market value at time of printing and is subject to change due to precious-metal market fluctuations.

For Pricing and Details Visit [omega.com/thermocouples](http://omega.com/thermocouples)

| Wire Dia. mm (inches) |
|-----------------------|
| 0.025 (0.001")        |
| 0.050 (0.002")        |
| 0.075 (0.003")        |
| 0.125 (0.005")        |
| 0.20 (0.008")         |
| 0.25 (0.010")         |
| 0.38 (0.015")         |
| 0.50 (0.020")         |
| 0.81 (0.032")         |

| Discount Schedule Base Metal Thermocouples |     |
|--|-----|
| 1 to 10 pkgs . . . . .                     | Net |
| 11 to 24 pkgs . . . . .                    | 5%  |
| 25 to 49 pkgs . . . . .                    | 10% |
| 50 and up . . . . .                        | 15% |

Ordering Example: CHAL-005, package of five 300 mm (12") Type K thermocouples, 0.125 mm (0.005") diameter.