

# Butt-Welded Unsheathed Fine Gage Thermocouples

**Convenient Packages of 5**

Shown smaller than actual size.

Butt-welded.



OMEGA offers a line of butt-welded bare wire thermocouples that provide a faster response time and can be used in tighter spaces than standard beaded wire thermocouples.

## 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 each leg for 600 mm (24") total length. To order longer lead lengths for base metal calibrations, add \$4.00 per 300 mm (12") per package.

### Platinum/Rhodium Thermocouples

Prices given for 150 mm (6") lengths. Other sizes and lengths are available on special order. To order longer lead lengths for Pt/Rh calibrations, see the table below.

*Note: Negative lead is identified with a red dot.*

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

Calibration	Wire Dia. mm (in)	Model Number	Price Each
Pt/13%Rh-Pt <b>R</b>	0.25 (0.010)	P13R-010-BW	\$140
	0.38 (0.015)	P13R-015-BW	315
	0.50 (0.020)	P13R-020-BW	465
	0.75 (0.032)	P13R-032-BW	1140
Pt/10%Rh-Pt <b>S</b>	0.25 (0.010)	P10R-010-BW	\$140
	0.38 (0.015)	P10R-015-BW	315
	0.5 (0.020)	P10R-020-BW	465
	0.75 (0.032)	P10R-032-BW	1140
Pt/30%Rh-Pt/6%Rh- <b>B</b>	0.25 (0.010)	P30R-010-BW	\$175
	0.38 (0.015)	P30R-015-BW	365
	0.50 (0.020)	P30R-020-BW	615
	0.81 (0.032)	P30R-032-BW	1440

*Note: Published price is based on market value at time of printing and is subject to change due to precious-metal market fluctuations.*

## MOST POPULAR MODELS HIGHLIGHTED!

### Base Metal\* Calibrations: 300 mm (12") Length Standard

Calibration	Wire Dia. mm (in)	Model Number	Price/Pkg of 5
Iron-Constantan <b>J</b>	0.075 (0.003) <sup>†</sup>	IRCO-003-BW	\$30.50
	0.125 (0.005) <sup>†</sup>	IRCO-005-BW	24.25
	0.25 (0.010)	IRCO-010-BW	20.40
	0.38 (0.015)	IRCO-015-BW	20.40
	0.5 (0.020)	IRCO-020-BW	20.40
CHROMEALOMEGA® <b>K</b>	0.075 (0.003) <sup>†</sup>	CHAL-003-BW	\$30.50
	0.125 (0.005) <sup>†</sup>	CHAL-005-BW	24.25
	0.25 (0.010)	CHAL-010-BW	20.40
	0.38 (0.015)	CHAL-015-BW	20.40
	0.5 (0.020)	CHAL-020-BW	20.40
Copper-Constantan <b>T</b>	0.075 (0.003) <sup>†</sup>	COCO-003-BW	\$30.50
	0.125 (0.005) <sup>†</sup>	COCO-005-BW	24.25
	0.25 (0.010)	COCO-010-BW	20.40
	0.38 (0.015)	COCO-015-BW	20.40
	0.5 (0.020)	COCO-020-BW	20.40
CHROMEALOMEGA®-Constantan <b>E</b>	0.075 (0.003) <sup>†</sup>	CHCO-003-BW	\$30.50
	0.125 (0.005) <sup>†</sup>	CHCO-005-BW	24.25
	0.25 (0.010)	CHCO-010-BW	20.40
	0.38 (0.015)	CHCO-015-BW	20.40
	0.5 (0.020)	CHCO-020-BW	20.40
0.81 (0.032)	CHCO-032-BW	20.40	

\* Base metal thermocouples are made from special limits of error wire.

<sup>†</sup> Maximum length 300 mm (12").

Ordering Example: CHAL-010-BW, Type K CHROMEALOMEGA®-ALOMEGA® butt-welded, unsheathed fine-gage thermocouple, package of 5, \$20.40.

Thermocouple insulator model numbers SH, DH, FS and OV also featured in this section.

### SPECIAL SIZES, ALLOYS OR ASSEMBLIES

Orders for special sizes, alloys or assemblies should be explicit and accompanied by a sketch or print, if possible.

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

Platinum/Rhodium Wire Dia.	Add'l Price Per 25 mm (1")	
	R & S	B
0.25 mm (0.010")	\$16	\$19
0.38 mm (0.015")	40	45
0.50 mm (0.020")	65	85
0.81 mm (0.032")	155	200



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