Butt-Welded Unsheathed Fine Gage Thermocouples

Convenient Packages of 5

MADE IN USA



Shown smaller than actual size.

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.

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 (inch)	Model Number
Pt/13%Rh-Pt R	0.25 (0.010)	P13R-010-BW
Pt/10%Rh-Pt S	0.25 (0.010)	P10R-010-BW
Pt/30%Rh-Pt/6%Rh- B	0.25 (0.010)	P30R-010-BW

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

Platinum/Rhodium Wire Dia.
0.25 mm (0.010")

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

Calibration	Wire Dia. mm (inch)	Model Number
Iron-Constantan J	0.075 (0.003)†	IRCO-003-BW
	0.125 (0.005)†	IRCO-005-BW
	0.25 (0.010)	IRCO-010-BW
	0.38 (0.015)	IRCO-015-BW
	0.5 (0.020)	IRCO-020-BW
	0.81 (0.032)	IRCO-032-BW
CHROMEGA®-ALOMEGA® K	0.075 (0.003)†	CHAL-003-BW
	0.125 (0.005)†	CHAL-005-BW
	0.25 (0.010)	CHAL-010-BW
	0.38 (0.015)	CHAL-015-BW
	0.5 (0.020)	CHAL-020-BW
	0.81 (0.032)	CHAL-032-BW
Copper-Constantan T	0.075 (0.003)†	COCO-003-BW
	0.125 (0.005)†	COCO-005-BW
	0.25 (0.010)	COCO-010-BW
	0.38 (0.015)	COCO-015-BW
	0.5 (0.020)	COCO-020-BW
	0.81 (0.032)	COCO-032-BW
CHROMEGA®-Constantan E	0.075 (0.003)†	CHCO-003-BW
	0.125 (0.005)†	CHCO-005-BW
	0.25 (0.010)	CHCO-010-BW
	0.38 (0.015)	CHCO-015-BW
	0.5 (0.020)	CHCO-020-BW
	0.81 (0.032)	CHCO-032-BW

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

† Maximum length 300 mm (12").

Ordering Example: CHAL-010-BW, *Type K CHROMEGA®-ALOMEGA® butt-welded, unsheathed fine-gage thermocouple, package of 5.*

Thermocouple insulator model numbers SH, DH, FS and OV also available .

SPECIAL SIZES, ALLOYS OR ASSEMBLIES

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