

# Dual Element Thermocouple Assemblies

## with Standard Size Connectors

- 300 mm (12") Length Standard
- 1.5 to 6.0 mm (1/16" to 1/4") Diameter
- 304, 310, 316, 321 SS, Inconel® or Super OMEGACLAD® XL Sheath
- DTC Type Dual Connector—Mating Connector Included
- Glass Filled Nylon Connector Body Rated to 220°C (425°F)

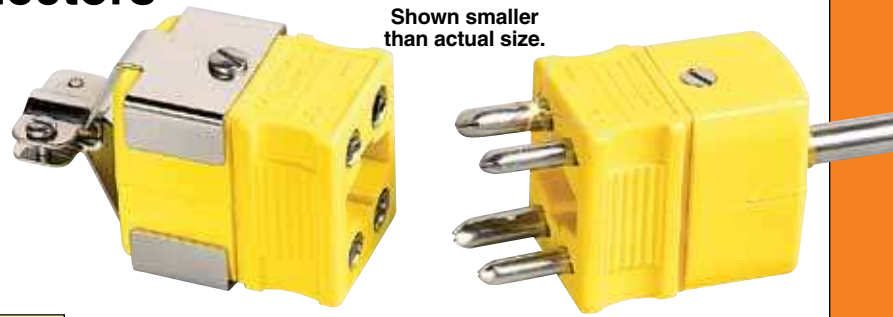
Available as

MADE IN USA

MEETS OR EXCEEDS SPECIAL LIMITS OF ERROR (SLE) AND EN 60584-2: Tolerance Class I

SUPER OMEGACLAD® XL THERMOCOUPLE PROBES

Visit [newportUS.com](http://newportUS.com)

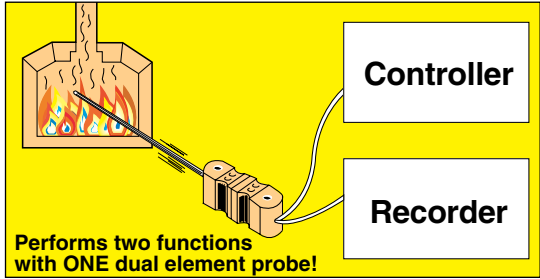


### Applications

- Two Sensor Readings—Built in Backup
- Allows Two Readings of a Single Point
- Continuous Monitor and Control

NEWPORT® dual-element thermocouple assemblies are manufactured using 4-conductor OMEGACLAD® wire, and feature rugged DTC connector terminations. Either 304 SS or Inconel sheaths are available in sizes from 1.5 to 6 mm (1/16" to 1/4") OD, with either grounded, ungrounded or exposed junctions. Mating connector, cable clamp and locking clips are included. Standard length is 300 mm (12"), with other lengths available.

Mating connector, cable clamp and locking clips included.



### To Order Visit [newportUS.com/IC\\_CA\\_CX](http://newportUS.com/IC_CA_CX) for Pricing and Details

Thermocouple Alloy	Sheath Dia. mm (inch)	Grounded Junction	Ungrounded Junction	Exposed Junction
IRON-CONSTANTAN Inconel Sheath <b>J</b>	1.5 (1/16)	ICIN-116G-12-DUAL	ICIN-116U-12-DUAL	ICIN-116E-12-DUAL
	3.0 (1/8)	ICIN-18G-12-DUAL	ICIN-18U-12-DUAL	ICIN-18E-12-DUAL
	4.5 (3/16)	ICIN-316G-12-DUAL	ICIN-316U-12-DUAL	ICIN-316E-12-DUAL
	6.0 (1/4)	ICIN-14G-12-DUAL	ICIN-14U-12-DUAL	ICIN-14E-12-DUAL
IRON-CONSTANTAN 304 SS Sheath <b>J</b>	1.5 (1/16)	ICSS-116G-12-DUAL	ICSS-116U-12-DUAL	ICSS-116E-12-DUAL
	3.0 (1/8)	ICSS-18G-12-DUAL	ICSS-18U-12-DUAL	ICSS-18E-12-DUAL
	4.5 (3/16)	ICSS-316G-12-DUAL	ICSS-316U-12-DUAL	ICSS-316E-12-DUAL
	6.0 (1/4)	ICSS-14G-12-DUAL	ICSS-14U-12-DUAL	ICSS-14E-12-DUAL
CHROMECLA®-* ALOMEGA® Inconel Sheath <b>K</b>	91.5 (1/16)	CAIN-116G-12-DUAL	CAIN-116U-12-DUAL	CAIN-116E-12-DUAL
	3.0 (1/8)	CAIN-18G-12-DUAL	CAIN-18U-12-DUAL	CAIN-18E-12-DUAL
	4.5 (3/16)	CAIN-316G-12-DUAL	CAIN-316U-12-DUAL	CAIN-316E-12-DUAL
	6.0 (1/4)	CAIN-14G-12-DUAL	CAIN-14U-12-DUAL	CAIN-14E-12-DUAL
CHROMECLA® ALOMEGA® 304 SS Sheath <b>K</b>	1.5 (1/16)	CASS-116G-12-DUAL	CASS-116U-12-DUAL	CASS-116E-12-DUAL
	3.0 (1/8)	CASS-18G-12-DUAL	CASS-18U-12-DUAL	CASS-18E-12-DUAL
	4.5 (3/16)	CASS-316G-12-DUAL	CASS-316U-12-DUAL	CASS-316E-12-DUAL
	6.0 (1/4)	CASS-14G-12-DUAL	CASS-14U-12-DUAL	CASS-14E-12-DUAL
CHROMECLA® CONSTANTAN Inconel Sheath <b>E</b>	1.5 (1/16)	CXIN-116G-12-DUAL	CXIN-116U-12-DUAL	CXIN-116E-12-DUAL
	3.0 (1/8)	CXIN-18G-12-DUAL	CXIN-18U-12-DUAL	CXIN-18E-12-DUAL
	4.5 (3/16)	CXIN-316G-12-DUAL	CXIN-316U-12-DUAL	CXIN-316E-12-DUAL
	6.0 (1/4)	CXIN-14G-12-DUAL	CXIN-14U-12-DUAL	CXIN-14E-12-DUAL
CHROMECLA® CONSTANTAN 304 SS Sheath <b>E</b>	1.5 (1/16)	CXSS-116G-12-DUAL	CXSS-116U-12-DUAL	CXSS-116E-12-DUAL
	3.0 (1/8)	CXSS-18G-12-DUAL	CXSS-18U-12-DUAL	CXSS-18E-12-DUAL
	4.5 (3/16)	CXSS-316G-12-DUAL	CXSS-316U-12-DUAL	CXSS-316E-12-DUAL
	6.0 (1/4)	CXSS-14G-12-DUAL	CXSS-14U-12-DUAL	CXSS-14E-12-DUAL
COPPER-CONSTANTAN Inconel Sheath <b>T</b>	1.5 (1/16)	CPIN-116G-12-DUAL	CPIN-116U-12-DUAL	CPIN-116E-12-DUAL
	3.0 (1/8)	CPIN-18G-12-DUAL	CPIN-18U-12-DUAL	CPIN-18E-12-DUAL
	4.5 (3/16)	CPIN-316G-12-DUAL	CPIN-316U-12-DUAL	CPIN-316E-12-DUAL
	6.0 (1/4)	CPIN-14G-12-DUAL	CPIN-14U-12-DUAL	CPIN-14E-12-DUAL
COPPER-CONSTANTAN 304 SS Sheath <b>T</b>	1.5 (1/16)	CPSS-116G-12-DUAL	CPSS-116U-12-DUAL	CPSS-116E-12-DUAL
	3.0 (1/8)	CPSS-18G-12-DUAL	CPSS-18U-12-DUAL	CPSS-18E-12-DUAL
	4.5 (3/16)	CPSS-316G-12-DUAL	CPSS-316U-12-DUAL	CPSS-316E-12-DUAL
	6.0 (1/4)	CPSS-14G-12-DUAL	CPSS-14U-12-DUAL	CPSS-14E-12-DUAL

To order with 310, 316 or 321 stainless steel sheath, change "SS" in model number to "310SS", "316SS" or "321SS" respectively, no additional charge.  
 \* To order Super OMEGACLAD® XL sheath, change "N" in model number to "XL" for additional cost. Note: PFA coating is available, 205°C (400°F) max.  
 Custom connector types available, consult custom engineering. **Ordering Example: CAIN-14G-12-DUAL**, dual Type K grounded thermocouples, 6 mm (1/4") Dia. Inconel sheath, 12" long.