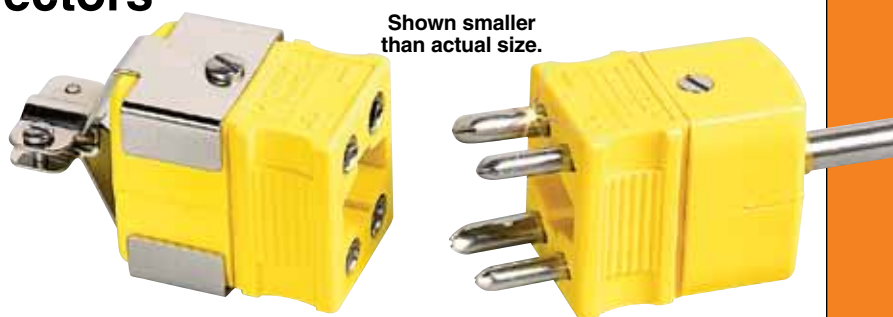


# Dual Element Thermocouple Assemblies

## with Standard Size Connectors

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

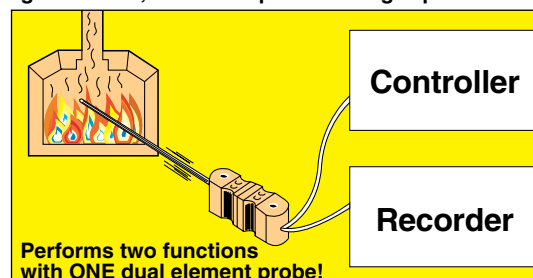


### Applications

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

Trodex® dual-element thermocouple assemblies are manufactured using 4-conductor TRODEXCLAD® wire, and feature rugged DTC connector terminations. Either 304 SS or Inconel sheaths are available in sizes from 1.5 to 6 mm ( $\frac{1}{16}$ " to  $\frac{1}{4}$ ") 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

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