

# Dual Element Thermocouple Assemblies

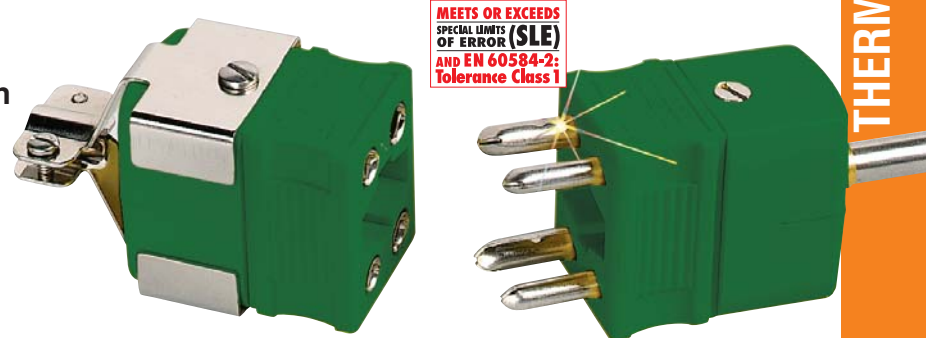


## with Standard Size Connectors

- ✓ 300 mm Length Standard
- ✓ 1.5 to 6.0 mm Diameter
- ✓ Stainless Steel, Inconel® or Super OMEGACLAD® XL Sheath
- ✓ DTC Type Dual Plug—Mating Connector Included
- ✓ Glass Filled Nylon Connector Body Rated to 220°C

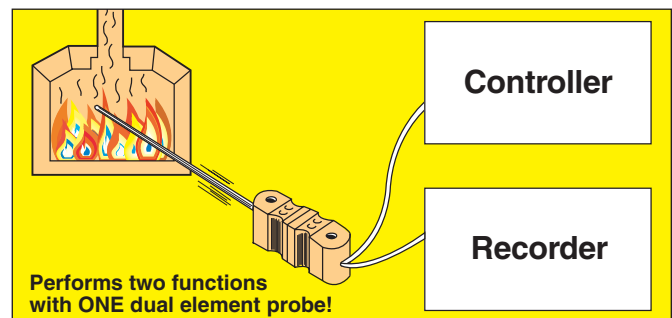
### Applications

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



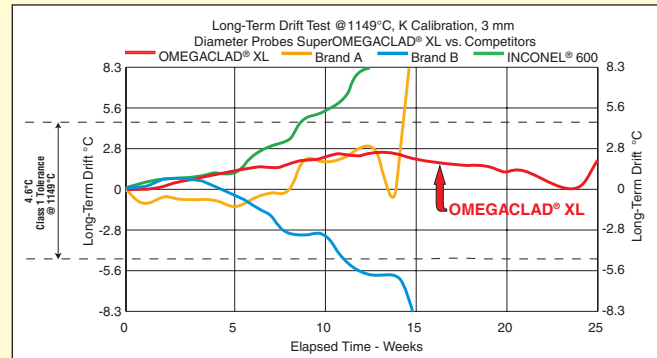
Mating connector, cable clamp and locking clips included. For additional dual element standard connectors, see page G-22.

OMEGA® dual-element thermocouple assemblies are manufactured using 4-conductor semi-rigid Mineral Insulated cable, and may be formed to shape to suit the application. Either Stainless Steel, Inconel® or SuperOMEGACLAD® XL sheaths are available in sizes from 1.5 to 6 mm O.D., with either grounded, insulated or exposed junctions. Mating connector, cable clamp and locking clips are included. Standard length is 300 mm, with other lengths available.



### Why choose Super OMEGACLAD® XL for your dual-probe application?

Super OMEGACLAD® XL's low-drift characteristic (See graph to the right) ensures reliability of temperature readings longer than other brands and sheath materials. Within 15 weeks of continuous testing, high-performance thermocouple brands A and B, and an Inconel® 600 probe, exhibited more than 8.3°C drift. At 25 weeks, Super OMEGACLAD® XL's drift was less than 2.8°C. Dual Probes are available in Type K in Super OMEGACLAD® XL.



### To Order (Specify Model Number)

**ALL MODELS AVAILABLE FOR FAST DELIVERY!**

Thermocouple Alloy	Sheath Dia. mm (in.)	Grounded Junction	Price	Insulated Junction	Price	Exposed Junction	Price	Price/Add'l 300 mm
CHROMEGA®- ALOMEGA® SS Sheath	1.5	CASS-IM15G-300-DUAL	£38.55	CASS-IM15U-300-DUAL	£40.90	CASS-IM15E-300-DUAL	£38.55	£1.80
	3.0	CASS-IM30G-300-DUAL	38.55	CASS-IM30U-300-DUAL	40.90	CASS-IM30E-300-DUAL	38.55	2.15
	4.5	CASS-IM45G-300-DUAL	39.70	CASS-IM45U-300-DUAL	42.10	CASS-IM45E-300-DUAL	39.70	3.85
	6.0	CASS-IM60G-300-DUAL	43.25	CASS-IM60U-300-DUAL	45.60	CASS-IM60E-300-DUAL	43.25	5.90
COPPER- CONSTANTAN SS Sheath	1.5	CPSS-IM15G-300-DUAL	38.55	CPSS-IM15U-300-DUAL	40.90	CPSS-IM15E-300-DUAL	38.55	1.80
	3.0	CPSS-IM30G-300-DUAL	38.55	CPSS-IM30U-300-DUAL	40.90	CPSS-IM30E-300-DUAL	38.55	2.15
	4.5	CPSS-IM45G-300-DUAL	39.70	CPSS-IM45U-300-DUAL	42.10	CPSS-IM45E-300-DUAL	39.70	3.85
	6.0	CPSS-IM60G-300-DUAL	43.25	CPSS-IM60U-300-DUAL	45.60	CPSS-IM60E-300-DUAL	43.25	5.90
IRON- CONSTANTAN SS Sheath	1.5	ICSS-IM15G-300-DUAL	38.55	ICSS-IM15U-300-DUAL	40.90	ICSS-IM15E-300-DUAL	38.55	1.80
	3.0	ICSS-IM30G-300-DUAL	38.55	ICSS-IM30U-300-DUAL	40.90	ICSS-IM30E-300-DUAL	38.55	2.15
	4.5	ICSS-IM45G-300-DUAL	39.70	ICSS-IM45U-300-DUAL	42.10	ICSS-IM45E-300-DUAL	39.70	3.85
	6.0	ICSS-IM60G-300-DUAL	43.25	ICSS-IM60U-300-DUAL	45.60	ICSS-IM60E-300-DUAL	43.25	5.90
OMEGALLOY®- NICROSIL-NISIL Inconel Sheath	1.5	NNIN-IM15G-300-DUAL	38.55	NNIN-IM15U-300-DUAL	40.90	NNIN-IM15E-300-DUAL	38.55	2.15
	3.0	NNIN-IM30G-300-DUAL	38.55	NNIN-IM30U-300-DUAL	40.90	NNIN-IM30E-300-DUAL	38.55	4.40
	4.5	NNIN-IM45G-300-DUAL	39.70	NNIN-IM45U-300-DUAL	42.10	NNIN-IM45E-300-DUAL	39.70	5.90
	6.0	NNIN-IM60G-300-DUAL	43.25	NNIN-IM60U-300-DUAL	45.60	NNIN-IM60E-300-DUAL	43.25	8.80

To order with 310, 316 or 321 stainless steel sheath, change "SS" in model no. to "310SS", "316SS" or "321SS" respectively (not available for Type N). No extra charge. To order Type K probes with Inconel® sheath, change "SS" in model no. to "IN". No extra charge.

\* To order Super OMEGACLAD® XL sheath for Type K, change "SS" in Model Number to "XL" and add £2 to price.

Note: PFA Coating is available, 205°C Max.

Ordering Example: CAIN-IM60G-300-DUAL has dual Type K grounded thermocouples in a 6 mm dia Inconel sheath, 300 mm long, \$64.50.



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