To Order
Thermocouple Sheath Dia. Grounded Ungrounded Exposed
IRON-
1.5 (1/16) ICIN-116G-12-DUAL ICIN-18G-12-DUAL ICIN-316G-12-DUAL
Inconel
4.5 (3/16) ICIN-316U-12-DUAL ICIN-316E-12-DUAL
Sheath
6.0 (1/4) ICIN-316U-12-DUAL ICIN-316E-12-DUAL
CONSTANTAN
3.0 (1/8) ICIN-18G-12-DUAL ICIN-18U-12-DUAL ICIN-18E-12-DUAL
304 SS
4.5 (3/16) ICIN-14G-12-DUAL ICIN-14U-12-DUAL ICIN-14E-12-DUAL
CHROMEGA® 1.5 (1/16) CAIN-116G-12-DUAL CAIN-18G-12-DUAL CAIN-316G-12-DUAL
ALOMEGA® 3.0 (1/8) CAIN-18U-12-DUAL CAIN-18E-12-DUAL
Sheath
4.5 (3/16) CAIN-14G-12-DUAL CAIN-14U-12-DUAL CAIN-14E-12-DUAL
Inconel
CHROMEGA® 6.0 (1/4) CAIN-14G-12-DUAL CAIN-14U-12-DUAL CAIN-14E-12-DUAL
ALOMEGA®
3.0 (1/8) CAIN-14G-12-DUAL CAIN-14U-12-DUAL CAIN-14E-12-DUAL
Sheath
4.5 (3/16) CAIN-14G-12-DUAL CAIN-14U-12-DUAL CAIN-14E-12-DUAL
CHROMEGA® 1.5 (1/16) CXIN-116G-12-DUAL CXIN-18G-12-DUAL CXIN-316G-12-DUAL
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ALOMEGA®
3.0 (1/8) CXIN-14G-12-DUAL CXIN-14U-12-DUAL CXIN-14E-12-DUAL
Sheath
4.5 (3/16) CXIN-14G-12-DUAL CXIN-14U-12-DUAL CXIN-14E-12-DUAL
COPPER-CONSTANTAN 1.5 (1/16) CPIN-116G-12-DUAL CPIN-18G-12-DUAL CPIN-316G-12-DUAL
INCONEL® 3.0 (1/8) CPIN-18G-12-DUAL CPIN-18U-12-DUAL CPIN-18E-12-DUAL
Sheath
4.5 (3/16) CPIN-14G-12-DUAL CPIN-14U-12-DUAL CPIN-14E-12-DUAL
COPPER-CONSTANTAN 6.0 (1/4) CPIN-14G-12-DUAL CPIN-14U-12-DUAL CPIN-14E-12-DUAL

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

OMEGA™ 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 and Cable Clamp sold separately. Standard length is 300 mm (12"), with other lengths available.

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.
<table>
<thead>
<tr>
<th>Thermocouple Alloy</th>
<th>Grounded Junction</th>
<th>Ungrounded Junction</th>
<th>Exposed Junction</th>
<th>Mating Connector Model No.</th>
<th>Cable Clamp Model No.</th>
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<tr>
<td>IRON-CONSTANTAN Inconel Sheath</td>
<td>ICIN-116G-12-DUAL ICIN-18G-12-DUAL ICIN-316G-12-DUAL ICIN-14G-12-DUAL</td>
<td>ICIN-116U-12-DUAL ICIN-18U-12-DUAL ICIN-316U-12-DUAL ICIN-14U-12-DUAL</td>
<td>ICIN-116E-12-DUAL ICIN-18E-12-DUAL ICIN-316E-12-DUAL ICIN-14E-12-DUAL</td>
<td>DTC-J-F</td>
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<td>IRON-CONSTANTAN 304 SS Sheath</td>
<td>ICSS-116G-12-DUAL ICSS-18G-12-DUAL ICSS-316G-12-DUAL ICSS-14G-12-DUAL</td>
<td>ICSS-116U-12-DUAL ICSS-18U-12-DUAL ICSS-316U-12-DUAL ICSS-14U-12-DUAL</td>
<td>ICSS-116E-12-DUAL ICSS-18E-12-DUAL ICSS-316E-12-DUAL ICSS-14E-12-DUAL</td>
<td>DTC-J-F</td>
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<tr>
<td>CHROMEGA™-ALOMEGA™ Inconel Sheath</td>
<td>CAIN-116G-12-DUAL CAIN-18G-12-DUAL CAIN-316G-12-DUAL CAIN-14G-12-DUAL</td>
<td>CAIN-116U-12-DUAL CAIN-18U-12-DUAL CAIN-316U-12-DUAL CAIN-14U-12-DUAL</td>
<td>CAIN-116E-12-DUAL CAIN-18E-12-DUAL CAIN-316E-12-DUAL CAIN-14E-12-DUAL</td>
<td>DTC-K-F</td>
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<td>CHROMEGA ALOMEGA 304 SS Sheath</td>
<td>CASS-116G-12-DUAL CASS-18G-12-DUAL CASS-316G-12-DUAL CASS-14G-12-DUAL</td>
<td>CASS-116U-12-DUAL CASS-18U-12-DUAL CASS-316U-12-DUAL CASS-14U-12-DUAL</td>
<td>CASS-116E-12-DUAL CASS-18E-12-DUAL CASS-316E-12-DUAL CASS-14E-12-DUAL</td>
<td>DTC-K-F</td>
<td>PCLM-DTC</td>
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<td>CHROMEGA CONSTANTAN Inconel Sheath</td>
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<td>CXIN-116U-12-DUAL CXIN-18U-12-DUAL CXIN-316U-12-DUAL CXIN-14U-12-DUAL</td>
<td>CXIN-116E-12-DUAL CXIN-18E-12-DUAL CXIN-316E-12-DUAL CXIN-14E-12-DUAL</td>
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<td>CHROMEGA CONSTANTAN 304 SS Sheath</td>
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All Accessories Sold Separately.

* To order Super OMEGACLAD XL sheath, change “N” in model number to “XL” for additional cost.