Sensor Connectors

Thermocouple Connector - Two Pole
- Glass filled thermoplastic body provides high strength at temperatures up to 425°F (218°C) as well as low moisture absorption and good dielectric constant.
- Heavy duty hollow pin construction prevents reverse mating of polarity.*
- Body color coded to ISA and ANSI standards.
- Polarity indicated by symbols molded into body.
- Contacts made of thermocouple materials which meet ISA and ANSI standards.
- Jack spring loaded to insure firm grip to plug.
- Accepts wire sizes to 14 awg.
- Single screw cover cap for fast assembly.
- Accepts crimp and tube adapter for product from .020 to .375.
- Finger grips to permit ease of connection.
- Quick wiring hook up with large head screws and wire channel.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Plugs</th>
<th>Jacks</th>
<th>Thermocouple Type</th>
<th>Body Color</th>
<th>Actual Alloy In Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP-K</td>
<td>L.J-K</td>
<td>L.J-K</td>
<td>Chromel®-Alumel®</td>
<td>Yellow</td>
<td>Chromel® Alumel®</td>
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<tr>
<td>LP-E</td>
<td>L.J-E</td>
<td>L.J-E</td>
<td>Chromel®-Constantan®</td>
<td>Violet</td>
<td>Chromel® Constantan®</td>
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<tr>
<td>LP-T</td>
<td>L.J-T</td>
<td>L.J-T</td>
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<td>Blue</td>
<td>Copper, Constantan®</td>
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<tr>
<td>LP-R/S</td>
<td>L.J-R/S</td>
<td>L.J-R/S</td>
<td>Platinum/Rhodium-Platinum</td>
<td>Green</td>
<td>Copper, #11 Alloy</td>
</tr>
<tr>
<td>LP-CU</td>
<td>L.J-CU</td>
<td>L.J-CU</td>
<td>Uncompensated</td>
<td>White</td>
<td>Copper, Copper</td>
</tr>
</tbody>
</table>

*Solid pin available on above construction. Add S to Part No. (i.e. LPS-J)

Miniature Thermocouple Connector
- Thermoplastic body provides high strength at temperatures up to 425°F (218°C) as well as low moisture absorption and good dielectric constant.
- Small, light weight and space saving.
- Body color coded to ISA and ANSI standards.
- Polarity indicated by symbols molded into body.
- Contacts made of thermocouple materials which meet ISA and ANSI standards.
- Jack spring loaded to insure firm grip to plug.
- Accepts crimp adapter for product from .020 to .125.
- Finger grips to permit ease of connection.
- .10” I.D. center mounting hole.

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<thead>
<tr>
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<th>Plugs</th>
<th>Jacks</th>
<th>Thermocouple Type</th>
<th>Body Color</th>
<th>Actual Alloy In Connector</th>
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</thead>
<tbody>
<tr>
<td>M.P-J</td>
<td>M.J-J</td>
<td>M.J-J</td>
<td>Iron-Constantan®</td>
<td>Black</td>
<td>Iron, Constantan®</td>
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<td>M.P-K</td>
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<td>M.J-E</td>
<td>M.J-E</td>
<td>Chromel®-Constantan®</td>
<td>Violet</td>
<td>Chromel® Constantan®</td>
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<td>M.P-T</td>
<td>M.J-T</td>
<td>M.J-T</td>
<td>Copper-Constantan®</td>
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<td>M.P-C.U</td>
<td>M.J-C.U</td>
<td>M.J-C.U</td>
<td>Uncompensated</td>
<td>White</td>
<td>Copper, Copper</td>
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### Three Pin Plugs and Jacks
- Body color coded to ISA and ANSI standards.
- Polarity marked.
- Negative lead clearly indicated with red disk.
- Knurled finger grip.
- Shatterproof plastic.
- Temperature rating of 300°F

<table>
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<tr>
<th>Catalog Number</th>
<th>Thermocouple Plugs</th>
<th>Thermocouple Jacks</th>
<th>Body Color</th>
<th>Actual Alloy + In Connector</th>
<th>Ground</th>
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<tbody>
<tr>
<td>TPP-J</td>
<td>TPJ-J</td>
<td>Iron-Constantan®</td>
<td>Black</td>
<td>Iron</td>
<td>Copper</td>
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<td>TPJ-K</td>
<td>Chromel®-Alumel®</td>
<td>Yellow</td>
<td>Chromel®</td>
<td>Copper</td>
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<tr>
<td>TPP-E</td>
<td>TPJ-E</td>
<td>Chromel®-Constantan®</td>
<td>Violet</td>
<td>Chromel®</td>
<td>Copper</td>
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<tr>
<td>TPP-T</td>
<td>TPJ-T</td>
<td>Copper-Constantan®</td>
<td>Blue</td>
<td>Copper</td>
<td>Copper</td>
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<tr>
<td>TPP-CU</td>
<td>TPJ-CU</td>
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### Accessories

#### Thermocouple Alloy Spade Lugs
Sold in bags of 25 each conductor.

Ordering code: SL - _____
(thermocouple calibration)
Example: SL-K

#### L Bracket
For installing single metal sheath thermocouple to connector. Mounts to underside of connector for ease of wiring connections. Two screws provided for easy attachment to thermocouples.

Ordering code: LB - _____
(Sheath OD) Example: LB-1/8"

#### Wire Clamp Bracket
Rugged bracket for strain relieving insulated wires. Easily installed after wires are attached to connector.

Ordering code: WC

#### Miniature Wire Clamp Bracket
Smaller version of wire clamp bracket (above). Easily installed after wires are attached to connector.

Ordering code: MWC

#### Weather Proof Jackets
Neoprene rubber jackets adds moisture protection to connection. Two per assembly.

Ordering code: WPJ

#### Pipe Clamp Adapter
Used to measure any cylindrical surface up to 36”. Type PC accepts any 1100 or 1200 thermocouple with either a fixed BF or adjustable BA bayonet adapter. Be sure to add insulation thickness, if any, to overall length of thermocouple.

To order, indicate the following:

```
PC
Pipe Size (inches)  Pipe Insulation Thickness
Pipe Insulation Thickness (minimum dimension 1.5")
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