



Hand Held Thermocouples

Description

Master Probe Handle - Probes plug into the master probe handle. The handle has a mini-jack at one end and a coiled cable with mini-plug on the other. Individual probes may be connected to allow easy reach to your process.

Immersion Probe - This general purpose probe can be used in liquids and gases. Includes mini plug.

Penetration Probe - Used for penetrating meat, plastic, rubber, asphalt, or other semi-soft materials. Includes mini plug.

Surface Probe - For flat or semi-flat surfaces of metal, paper or plastic. Small gauge spring contoured tip allows fast response. Includes mini plug.

Air Duct Probe - Measures temperature in ducts for air or compatible gases, environmental chambers, ovens, rooms, etc. Perforated shield has good air flow and prevents heating by radiation. Includes mini plug.

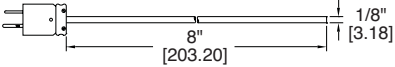
Exposed Junction Probe - Small gauge tip allows high sensitivity and quick response. The thermocouple junction is exposed for readings in air or compatible gases. Includes mini plug.

Needle Probe - Small diameter penetrating probe gives fast response in soft materials and liquids. Made with mineral insulated sheath for extra durability. Includes mini plug.

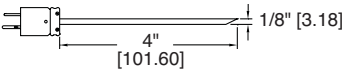
Bare Tip Probe - This probe consists of 10 feet of 24 gauge wire with fiber-glass braided cable and a bare wired junction. Shipped with a spool for easy storage. Includes mini plug.



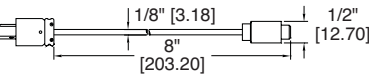
| T/C Type | Model |
|----------|-----------|
| J | 1718-0076 |
| K | 1718-0077 |



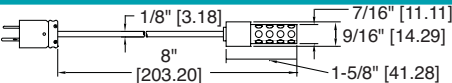
| | |
|---|-----------|
| J | 1818-0073 |
| K | 1818-0074 |



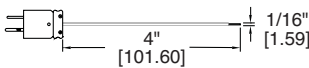
| | |
|---|-----------|
| J | 1818-0077 |
| K | 1818-0078 |



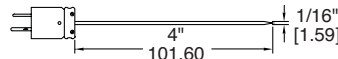
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|---|-----------|
| J | 1818-0081 |
| K | 1818-0082 |



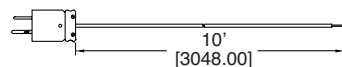
| | |
|---|-----------|
| J | 1818-0084 |
| K | 1818-0085 |



| | |
|---|-----------|
| J | 1818-0088 |
| K | 1818-0089 |



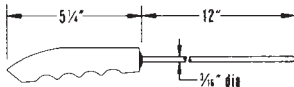
| | |
|---|-----------|
| J | 1818-0092 |
| K | 1818-0093 |



| | |
|---|-----------|
| J | 1558-0030 |
| K | 1558-0013 |

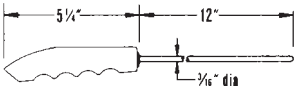
Integral Handle Probes - Featuring fixed handles and coiled cords, these rugged hand-held probes will plug into any device with a mini-jack.

General Purpose Probe - Featuring a built-in handle with coiled cord and mini-plug, this general purpose probe can be used in liquids and air compatible gases. For use to 800°F.



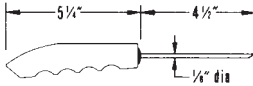
| | |
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| J | 1718-0001 |
| K | 1718-0002 |

High Temperature General Purpose Probe - Featuring a built-in handle with coiled cord and mini-plug, this general purpose probe can be used in liquids and air compatible gases. For use to 1600°F.



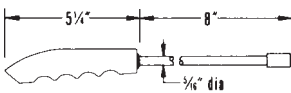
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|---|-----------|
| J | 1718-0005 |
| K | 1718-0006 |

Penetration Probe - Featuring a built-in handle with coiled cord and mini-plug, this probe is used for penetrating meat, plastic, rubber, asphalt, or other semi-soft materials.



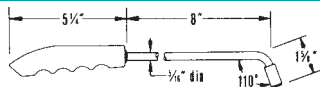
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|---|-----------|
| J | 1718-0014 |
| K | 1718-0015 |

Straight Surface Probe - Featuring a built-in handle with coiled cord and mini-plug, this probe is used for flat or semi-flat surfaces of metal, paper or plastic. Small gauge spring contoured tip allows fast response.



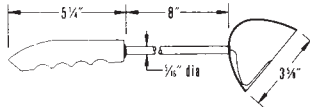
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| J | 1718-0008 |
| K | 1718-0009 |

Angled Surface Probe - Featuring a built-in handle with coiled cord and mini-plug, this probe is used for flat or semi-flat surfaces of metal, paper or plastic. Small gauge spring contoured tip allows fast response.



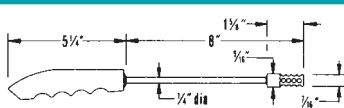
| | |
|---|-----------|
| J | 1718-0011 |
| K | 1718-0012 |

Round Surface Probe - Featuring a built-in handle with coiled cord and mini-plug, this probe measures temperature in ducts for rollers, convex surfaces. Spring stainless steel replaceable band stretched across C-shaped bow.



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| J | 1718-0022 |
| K | 1718-0023 |

Air Duct Probe - Featuring a built-in handle with coiled cord and mini-plug, this probe measures temperature in ducts for air or compatible gases, environmental chambers, ovens, rooms, etc. Perforated shield allows good air flow and prevents heating by radiation.



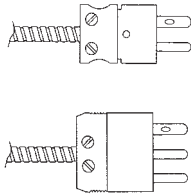
| | |
|---|-----------|
| J | 1718-0018 |
| K | 1718-0019 |

Temperature

Plugs and Jacks

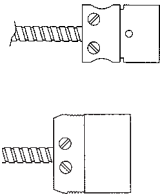
Standard Size Single Plugs (male)

| Type | Part Number |
|---------------|-------------|
| J | 481-0001 |
| K | 481-0002 |
| T | 481-0003 |
| Cu11 (2-Wire) | 481-0004 |
| E | 481-0015 |
| Cu (2-Wire) | 481-0022 |
| Cu (3-Wire) | 481-0134 |



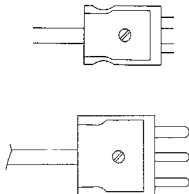
Standard Size Single Jacks (female)

| Type | Part Number |
|---------------|-------------|
| J | 481-0006 |
| K | 481-0007 |
| T | 481-0008 |
| Cu11 (2-Wire) | 481-0009 |
| E | 481-0016 |
| Cu (2-Wire) | 481-0023 |
| Cu (3-Wire) | 481-0135 |



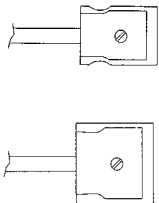
Miniature Size Single Plugs (male)

| Type | Part Number |
|-------------|-------------|
| J | 481-0093 |
| K | 481-0095 |
| T | 481-0094 |
| R | 481-0098 |
| S | 481-0097 |
| E | 481-0096 |
| Cu (2-Wire) | 481-0099 |
| Cu (3-Wire) | 481-0175 |



Miniature Size Single Jacks (female)

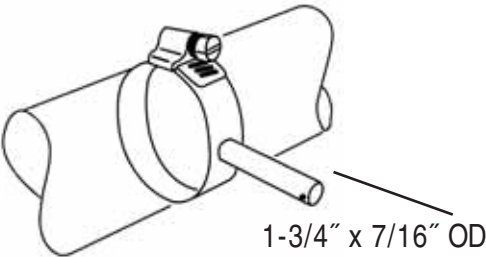
| Type | Part Number |
|-------------|-------------|
| J | 481-0100 |
| K | 481-0102 |
| T | 481-0101 |
| R | 481-0105 |
| S | 481-0104 |
| E | 481-0103 |
| Cu (2-Wire) | 481-0106 |
| Cu (3-Wire) | 481-0174 |



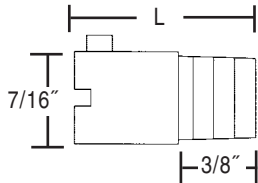
Temperature

Pipe Adapter s

| Part Number | Fits Pipe Diameters | Part Number | Fits Pipe Diameters |
|-------------|---------------------|-------------|---------------------|
| 1568-0007 | 1/2" to 7/8" | 1568-0022 | 9-3/4" to 10-1/4" |
| 1568-0008 | 7/8" to 1-1/2" | 1568-0023 | 11-3/4" to 12-1/4" |
| 1568-0009 | 1-5/16" to 2-1/4" | 1568-0024 | 15-3/4" to 16-1/4" |
| 1568-0011 | 2-1/4" to 3-5/16" | 1568-0025 | 17-3/4" to 18-1/4" |
| 1568-0012 | 3-5/8" to 4-1/4" | 1568-0027 | 19-3/4" to 20-1/4" |
| 1568-0013 | 4-5/16" to 5-1/4" | 1568-0028 | 23-3/4" to 24-1/4" |
| 1568-0020 | 6-1/4" to 6-3/4" | 1568-0029 | 29-3/4" to 30-1/4" |
| 1568-0021 | 7-3/4" to 8-1/4" | | |



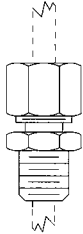
Bayonet Adapter s



| L | Thread Size | Part Number |
|--------|-------------|-------------|
| 7/8" | 1/8-27 NPT | 1568-0001 |
| 7/8" | 3/8-24 NPT | 1568-0002 |
| 1-3/8" | 1/8-27 NPT | 1568-0003 |
| 1-3/8" | 3/8-24 NPT | 1568-0004 |
| 2-1/2" | 1/8-27 NPT | 1568-0005 |
| 2-1/2" | 3/8-24 NPT | 1568-0006 |
| 2-1/2" | 10 x 1.5 mm | 1568-0016 |

Compression Fittings

| Type OD | Thread Size | Material | Part Number |
|--------------|-------------|-----------------|-------------|
| 1/8" | 1/8-27 NPT | Brass | 144-0012 |
| 1/8" | 1/8-27 NPT | Stainless Steel | 144-0020 |
| 3/16" | 1/8-27 NPT | Brass | 144-0009 |
| 3/16" | 1/8-27 NPT | Stainless Steel | 144-0022 |
| 1/4" | 1/4-18 NPT | Brass | 144-0014 |
| 1/4" | 1/8-27 NPT | Stainless Steel | 144-0024 |
| .260 - .275" | 1/4-18 NPT | FEP | 144-0037 |



Transition Adapter

These adapters convert the miniature plug on the end of the coiled cable on the Master Probe Handle to a standard lug. Simply plug the cord into the adapter.

Catalog Number

Type K
481-127

Type J
481-126

Type T
481-128

