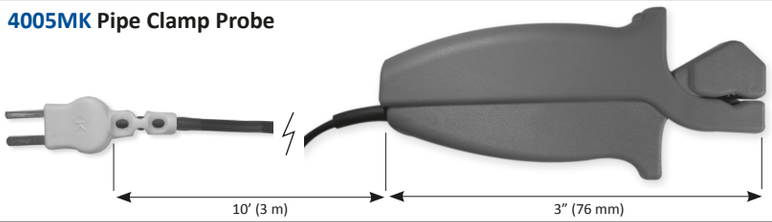
SURFACE PROBES

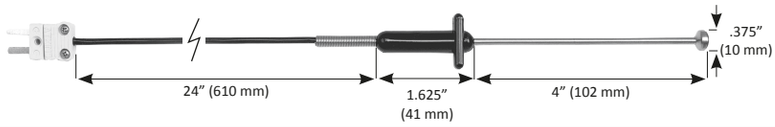
Suitable for measuring temperatures on a variety of surfaces. Griddles or grills should be checked frequently to ensure that proper cooking temperatures are maintained. Various types of equipment such as motors, pipes and plastic molds may also be monitored. Surface temperatures are the most difficult to measure accurately, especially on poor heat-conducting materials such as paper and some plastic films. It is not practical to estimate the temperature within a solid by measuring the surface temperature. The major source of error in reading surface temperature is obtaining adequate heat transfer from the surface into the measuring probe tip. To reduce this error: 1) use a small amount of oil or grease to improve heat transfer; 2) use a large contact area and 3) press the probe's tip's firmly against the measuring surface.

4005MK Pipe Clamp Probe



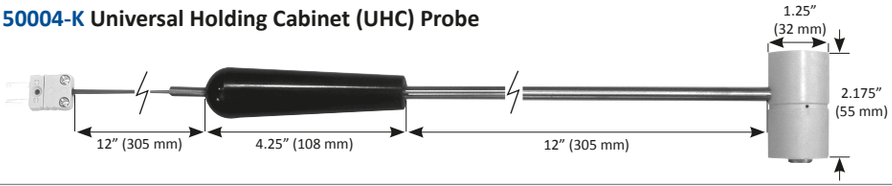
Temp. Range: -20° to 300°F (-29° to 149°C)
Max Tip Temp: 300°F (149°C)
Max Cable Temp: 200°F (93°C)
Response Time: 2 seconds, on pipe
Unit Weight: 7 oz (198 g)
Thermoplastic Elastomer Straight Cable, for Pipe Dimension of .25" to 1.375"

31907-K Surface Probe - Petite Handle



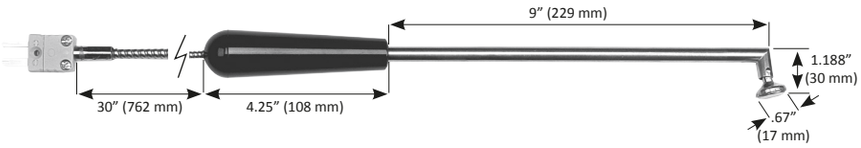
Temp. Range: -40° to 400°F (-40° to 205°C)
Max Tip/Cable Temp: 400°F (205°C)
Max Handle Temp: 300°F (149°C)
Response Time: 5 seconds, oiled surface
Unit Weight: 1 oz (28 g)
Flexible Cable with Silicone Jacket

50004-K Universal Holding Cabinet (UHC) Probe



Temp. Range: -40° to 300°F (-40° to 149°C)
Max Tip Temp: 300°F (149°C)
Max Cord Temp: 400°F (205°C)
Response Time: 4 seconds on flat oiled surface
Unit Weight: 6 oz (170 g)
FEP Outer Jacket

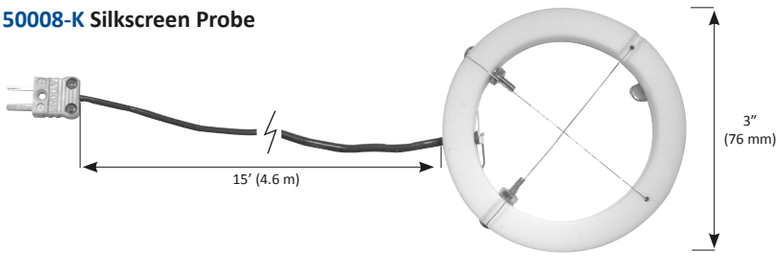
50001 (J, K or T) Right Angle Bell Surface Probe



Temp. Range: -40° to 400°F (-40° to 205°C)
Max Tip/Cable Temp: 400°F (205°C)
Max Handle Temp: 325°F (163°C)
Response Time: 7 seconds, oiled surface
Unit Weight: 6 oz (170 g)
Flexible Armored Cable

Designed for use on any flat surface. Bell self-orients to the surface, giving superior contact. Ideal for griddle and platens.

50008-K Silkscreen Probe

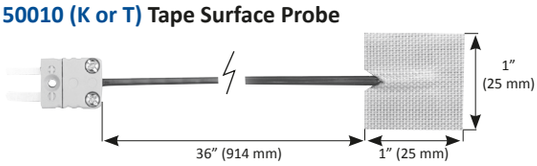


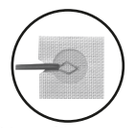
Temp. Range: -40° to 400°F (-40° to 205°C)
Max Tip/Cable Temp: 400°F (205°C)
Response Time: 1 second, in liquid
Unit Weight: 3 oz (85 g)
Silicone Outer Jacket PTFE Ring

Replacement wires, springs and sinkers sold separately (item 10830)

Designed to measure actual ink temperatures to profile dryers.

50010 (K or T) Tape Surface Probe



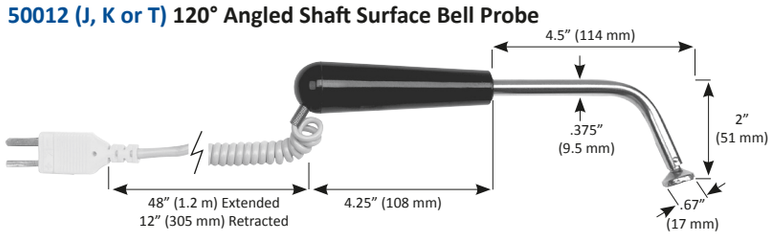


Cutaway of thermocouple sensor between PTFE tape layers.

Temp. Range: -40° to 400°F (-40° to 205°C)
Max Tip/Cable Temp: 400°F (205°C)
Response Time: 9 seconds on metal surface
Unit Weight: 1 oz (28 g)
Flexible Cable with FEP Jacket

Can be placed between packs of food or cartons. Also suitable for platens.

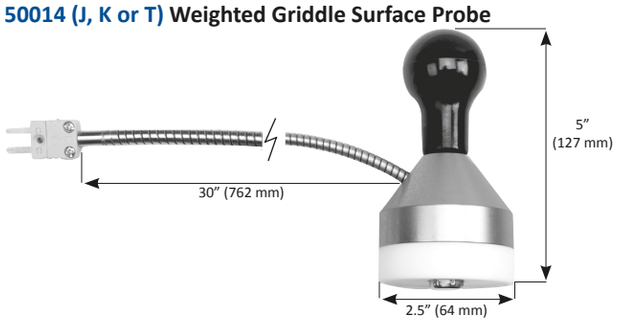
50012 (J, K or T) 120° Angled Shaft Surface Bell Probe



Temp. Range: -40° to 500°F (-40° to 260°C)
Max Tip Temp: 500°F (260°C)
Max Cable Temp: 176°F (80°C)
Max Handle Temp: 325°F (163°C)
Response Time: 4 seconds, oiled surface
Unit Weight: 5 oz (142 g)
Coiled Retractable Cable

Designed for use on any flat surface. Bell self-orients to the surface, giving superior contact. Ideal for griddle and platens.

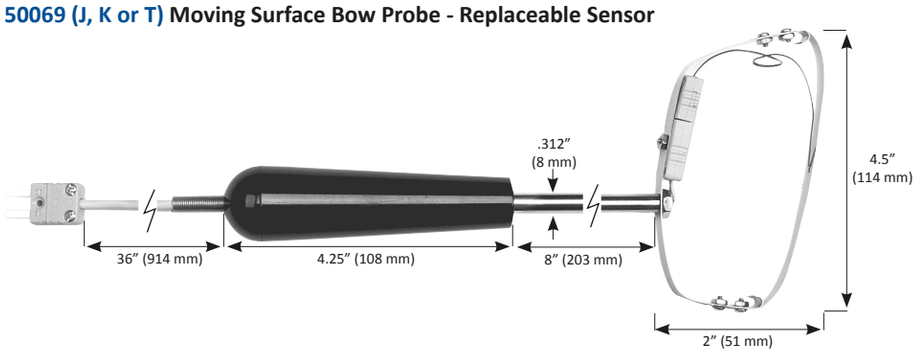
50014 (J, K or T) Weighted Griddle Surface Probe



Temp. Range: -40° to 500°F (-40° to 260°C)
Max Tip Temp: 500°F (260°C)
Max Cable Temp: 400°F (205°C)
Max Handle Temp: 325°F (163°C)
Response Time: 2 seconds, oiled surface
Unit Weight: 2 lb (907 g)
Flexible Armored Cable

Weighted probe allows hands-free use.

50069 (J, K or T) Moving Surface Bow Probe - Replaceable Sensor

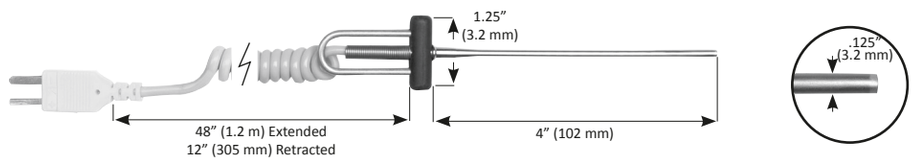


Temp. Range: -40° to 500°F (-40° to 260°C)
Max Tip Temp: 500°F (260°C)
Max Cable Temp: 221°F (105°C)
Max Handle Temp: 325°F (163°C)
Response Time: 4 seconds, oiled surface

Replaceable Sensor:
MD3132-10 (Type K);
MD3132-8 (Type J)
MD3132-12 (Type T)
Unit Weight: 6 oz (170 g)
Flexible Cable with PVC Jacket

Designed for moving surfaces and rollers. Gives a more accurate measurement on moving surfaces than a standard surface probe.

50316 (J, K or T) 1/8” Surface / Immersion Probe - Flat Tip

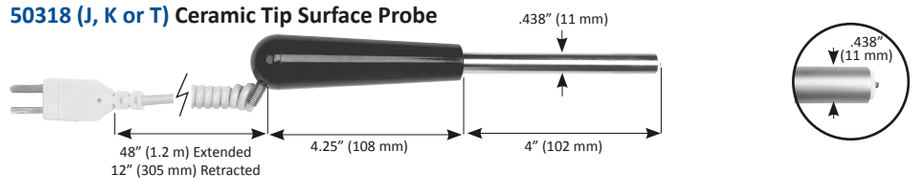


Temp. Range: -100° to 500°F (-73° to 260°C)
Max Tip Temp: 500°F (260°C)
Max Cable Temp: 176°F (80°C)
Max Handle Temp: 280°F (138°C)
Response Time: 6 seconds, oiled metal surface; 1 second, liquid
Unit Weight: 2 oz (57 g)
Coiled Retractable Cable

This probe has a flat tip for surface temperatures, but is also a very fast immersion probe.

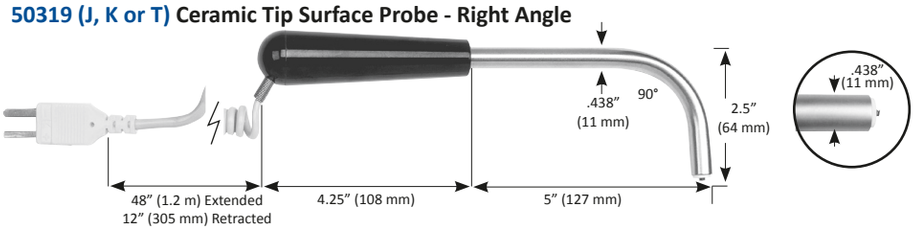
Note: Not recommended for use in highly acidic or alkaline products such as citrus and tomato products.

50318 (J, K or T) Ceramic Tip Surface Probe



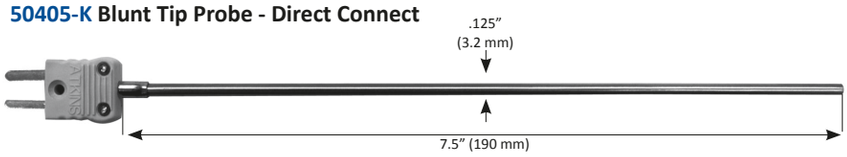
Temp. Range: -40° to 1202°F (-40° to 650°C)
Max Tip Temp: 1202°F (650°C)
Max Cable Temp: 176°F (80°C)
Max Handle Temp: 325°F (163°C)
Response Time: 1 second, oiled surface
Unit Weight: 5 oz (141 g)
Coiled Retractable Cable

50319 (J, K or T) Ceramic Tip Surface Probe - Right Angle



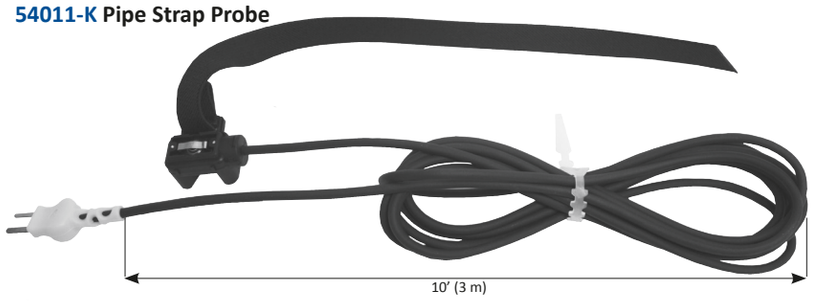
Temp. Range: -40° to 1202°F (-40° to 650°C)
Max Tip Temp: 1202°F (650°C)
Max Cable Temp: 176°F (80°C)
Max Handle Temp: 325°F (163°C)
Response Time: 1 second, oiled surface
Unit Weight: 6 oz (170 g)
Coiled Retractable Cable

50405-K Blunt Tip Probe - Direct Connect



Temp. Range: -100° to 500°F (-73° to 260°C)
Max Tip Temp: 500°F (260°C)
Response Time: 6 seconds, oiled surface; 1 second, liquid
Unit Weight: .5 oz (14 g)

54011-K Pipe Strap Probe



Temp. Range: -25° to 300°F (-32° to 149°C)
Max Tip Temp: 300°F (149°C)
Max Cable Temp: 220°F (104°C)
Unit Weight: 2 oz (57 g)
Cable Length: 10’ (3 m) straight cord

The special strap-hook design fits up to a 3.3” (84 mm) diameter pipe.
Polyurethane Cable