



Type K Thermocouple Probes

Cooper-Atkins builds all of our probes in our Connecticut Headquarters facility, so you can rely on us to custom design and manufacture a probe for your specific needs. All Cooper-Atkins probes are manufactured in an ISO 9001-2008 facility in the United States.

Needle Probes

	31901-K	39035-K	49122-K	49135-K	50101-K	50143-K	50145-K	50207-K
Description:	1/8" Needle Probe - (Petite Handle)	1/8" Needle Probe	Ultra-Fine Product Probe	1/8" Rugged Needle Probe	Frozen Product Needle Probe	Heavy-Duty Needle Probe	1/8" Rugged Needle Probe	MicroNeedle Chisel Tip Probe (Direct Connect)
Temperature Range:	-40° to 400°F (-40° to 205°C)	-40° to 400°F (-40° to 205°C)	-100° to 500°F (-73° to 260°C)	-40° to 400°F (-40° to 205°C)	-40° to 400°F (-40° to 205°C)	-40° to 500°F (-40° to 260°C)	-40° to 500°F (-40° to 260°C)	-100° to 500°F (-73° to 260°C)
Max Tip Temperature:	400°F (205°C)	400°F (205°C)	500°F (260°C)	400°F (205°C)	400°F (205°C)	500°F (260°C)	500°F (260°C)	500°F (260°C)
Max Cable Temperature:	400°F (205°C)	400°F (205°C)	221°F (105°C)	400°F (205°C)	400°F (205°C)	176°F (80°C)	176°F (80°C)	-
Response Time (liquid):	4 seconds	4 seconds	3 seconds	4 seconds	4 seconds	5 seconds	4 seconds	1 second
Shaft Length:	4" (102 mm)	4" (102 mm)	4" (102 mm)	4" (102 mm)	3" (76 mm)	4" (102 mm)	4" (102 mm)	3.75" (95 mm)
Cable Length Max Extended:	24" (610 mm) w/ Silicone® Jacket	36" (914 mm) w/ FEP Jacket	36" (914 mm) w/ PVC Jacket	36" (914 mm) w/ FEP Jacket	30" (762 mm) w/ Flexible Armored Cable	48" (1.2 m) w/ Polyurethane Jacket	48" (1.2 m) w/ Polyurethane Jacket	Direct Connect (no cable)
Weight:	1 oz (28 g)	1 oz (28 g)	1 oz (28 g)	4 oz (113 g)	1 lb (454 g)	5 oz (142 g)	4 oz (113 g)	.5 oz (14 g)
Warranty:	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year

50336-K DuraNeedle Probe



50012-K Angled Shaft Surface Bell Probe

Needle Probes

	50209-K	50210-K	50263-K	50334-K	50335-K	50336-K	50337-K	50360-K	50361-K
Description:	MicroNeedle Probe	MicroNeedle Probe (Direct Connect)	60° Patty Probe	4" DuraNeedle Probe	4.5" Needle Probe	DuraNeedle Probe	DuraNeedle Probe (Direct Connect)	Oven Needle Probe	Meat Probe
Temperature Range:	-100° to 500°F (-73° to 260°C)	-100° to 500°F (-73° to 260°C)	-100° to 500°F (-73° to 260°C)	-100° to 500°F (-73° to 260°C)	-40° to 500°F (-40° to 260°C)	-40° to 500°F (-40° to 260°C)	-100° to 500°F (-73° to 260°C)	-40° to 500°F (-40° to 260°C)	-40° to 400°F (-40° to 205°C)
Max Tip Temperature:	500°F (260°C)	500°F (260°C)	500°F (260°C)	500°F (260°C)	500°F (260°C)	500°F (260°C)	500°F (260°C)	500°F (260°C)	400°F (205°C)
Max Cable Temperature:	176°F (80°C)	-	176°F (80°C)	400°F (205°C)	176°F (80°C)	176°F (80°C)	-	600°F (316°C)	400°F (205°C)
Response Time (liquid):	1 second	1 second	1 second	1 second	4 seconds	2 seconds	1 second	2 seconds	4 seconds
Shaft Length:	3.5" (89 mm)	3.75" (95 mm)	8" (203 mm)	4" (102 mm)	4.5" (114 mm)	6" (153 mm)	4" (102 mm)	5.5" (140 mm)	3.875" (98 mm)
Cable Length Max Extended:	48" (1.2 m) w/ Polyurethane Jacket	Direct Connect (no cable)	48" (1.2 m) w/ Polyurethane Jacket	34" (864 mm) w/ Fluoroelastomer Jacket	48" (1.2 m) w/ Polyurethane Jacket	48" (1.2 m) w/ Polyurethane Jacket	Direct Connect (no cable)	35" (889 mm) w/ Stainless Steel Overbraid	10' (3 m) w/ Armor
Weight:	2 oz (57 g)	.5 oz (14 g)	3 oz (85 g)	2 oz (57 g)	2 oz (57 g)	2 oz (57 g)	.5 oz (14 g)	1 oz (28 g)	6 oz (170 g)
Warranty:	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year



4005MK Pipe Clamp Probe

High Temperature Probes

	49126-K	49127-K	49140-K	50426-K	50427-K	4005MK	54011-K	50200-K	50208-K
Description:	Reduced Tip Puncture Probe	Reduced Tip Probe (Direct Connect)	High Temperature Probe	4" Reduced Tip Probe	12" Reduced Tip Probe	Pipe Clamp Surface Probe	Pipe Strap Surface Probe	High Temperature Probe	Fry Vat Insertion Probe
Temperature Range:	32° to 932°F (0° to 500°C)	32° to 932°F (0° to 500°C)	32° to 2012°F (0° to 1100°C)	32° to 932°F (0° to 500°C)	32° to 932°F (0° to 500°C)	-20° to 300°F (-29° to 149°C)	-25° to 300°F (-32° to 149°C)	-40° to 400°F (-40° to 205°C)	-40° to 400°F (-40° to 205°C)
Max Tip Temperature:	932°F (500°C)	932°F (500°C)	2012°F (1100°C)	932°F (500°C)	932°F (500°C)	300°F (149°C)	300°F (149°C)	400°F (205°C)	400°F (205°C)
Max Cable Temperature:	400°F (205°C)	-	400°F (205°C)	176°F (80°C)	176°F (80°C)	220°F (104°C)	220°F (104°C)	400°F (205°C)	400°F (205°C)
Response Time:	1 second liquid	1 second liquid	2 seconds liquid	1 second liquid	1 second liquid	2 seconds on pipe	Varies on pipe	12 seconds liquid	8 seconds liquid
Shaft Length:	4" (102 mm)	4" (102 mm)	24" (610 mm)	4" (102 mm)	12" (305 mm)	-	-	8" (203 mm)	7.3" (185 mm)
Cable Length Max Extended:	36" (914 mm) w/ FEP Jacket	Direct Connect (no cable)	36" (914 mm) w/ Flexible Armor	48" (1.2 m) w/ Polyurethane Jacket	48" (1.2 m) Polyurethane Jacket	10' (3 m) w/ Polyurethane Jacket	10' (3 m) w/ Polyurethane Jacket	36" (914 mm) w/ FEP Jacket	30" (762 mm) w/ Flexible Armor
Weight:	4 oz (113 g)	.5 oz (14 g)	6 oz (170 g)	5 oz (142 g)	5 oz (142 g)	5 oz (142 g)	2 oz (57 g)	2 oz (57 g)	3 oz (85 g)
Warranty:	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year



54011-K Pipe Strap Probe