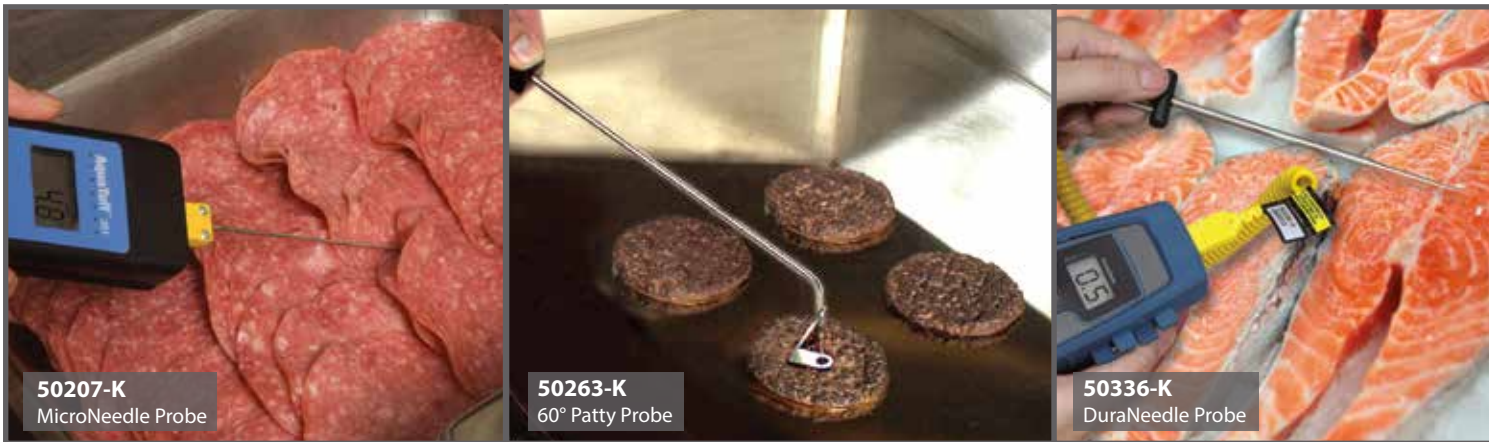




# Thermocouple Probes

The Cooper-Atkins thermocouple probe line is the most extensive in the foodservice industry. We produce high quality probes for all kinds of temperature measuring applications, from internal food to equipment surface temperatures. We build probes in our Connecticut headquarters facility and can design and manufacture custom probes for specific needs. Cooper-Atkins is an ISO 9001-2008 facility in the United States.



Insertion / Needle Probes	31901-K	50207-K	50208-K	50209-K	50263-K	50335-K	50336-K
<b>Description</b>	Needle Probe	Direct Connect MicroNeedle Probe Chisel Tip	Fry Vat Probe	MicroNeedle Probe	60° Patty Probe w/ 4.76 mm (3/16") Depth Indicator (other angles available)	Needle Probe (other sizes available)	DuraNeedle Probe
<b>Temperature Range:</b>	-40° to 205°C (-40° to 400°F)	-73° to 260°C (-100° to 500°F)	-40° to 205°C (-40° to 400°F)	-73° to 260°C (-100° to 500°F)	-73° to 260°C (-100° to 500°F)	-40° to 260°C (-40° to 500°F)	-40° to 260°C (-40° to 500°F)
<b>Max Tip Temperature:</b>	205°C (400°F)	260°C (500°F)	205°C (400°F)	260°C (500°F)	260°C (500°F)	260°C (500°F)	260°C (500°F)
<b>Max Cable Temperature:</b>	205°C (400°F)	-	205°C (400°F)	80°C (176°F)	80°C (176°F)	80°C (176°F)	80°C (176°F)
<b>Response Time (in liquid):</b>	4 seconds	1 second	8 seconds	1 second	1 second	4 seconds	2 seconds
<b>Shaft Length:</b>	102 mm (4")	95 mm (3.75")	185 mm (7.3")	89 mm (3.5")	203 mm (8")	114 mm (4.5")	152 mm (6")
<b>Cable Length Max Extended:</b>	610 mm (24")	Direct Connect No Cable	762 mm (30") w/ Flexible Armored Cable	1.2 m (48")	1.2 m (48")	1.2 m (48")	1.2 m (48")
<b>Weight:</b>	28 g (1 oz)	14 g (.5 oz)	85 g (3 oz)	57 g (2 oz)	85 g (3 oz)	57 g (2 oz)	57 g (2 oz)
<b>Warranty:</b>	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year

Surface Probes	50012-K	50014-K	50318-K
<b>Description</b>	Bell Surface Probe	Weighted Griddle Probe	Ceramic Tip Surface Probe
<b>Temperature Range:</b>	-40° to 260°C (-40° to 500°F)	-40° to 260°C (-40° to 500°F)	-40° to 650°C (-40° to 1202°F)
<b>Max Tip Temperature:</b>	260°C (500°F)	260°C (500°F)	650°C (1202°F)
<b>Max Cable Temperature:</b>	80°C (176°F)	205°C (400°F)	80°C (176°F)
<b>Response Time (on oiled surface)</b>	4 seconds	2 seconds	1 second
<b>Shaft Length:</b>	114 mm (4.5")	-	102 mm (4")
<b>Cable Length Max Extended:</b>	1.2 m (48")	762 mm (30") w/ Flexible Armored Cable	1.2 m (48")
<b>Weight:</b>	142 g (5 oz)	907 g (2 lb)	142 g (5 oz)
<b>Warranty:</b>	1 Year	1 Year	1 Year



**From left to right:**  
 50306-K Air/Oven Probe  
 50335-K Insertion Probe  
 50337-K DuraNeedle Direct Connect Probe  
 50210-K MicroNeedle Direct Connect Probe  
 50209-K MicroNeedle Probe  
 50012-K Bell Surface Probe

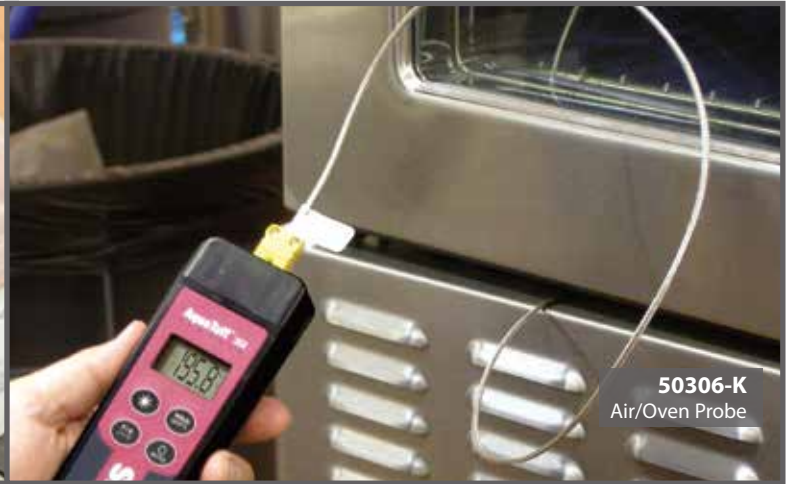
For our extensive line of probes please refer to our **ATKINS Thermocouple Instrument & Probe Catalog #67-1240**.



# Thermocouple Probes & Accessories

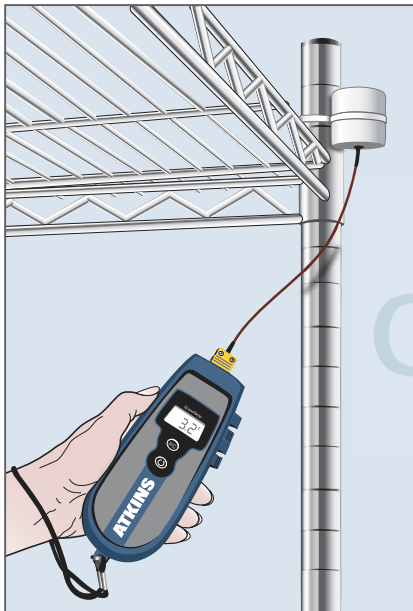


**50012-K**  
Bell Surface Probe



**50306-K**  
Air/Oven Probe

**52048-K**  
Thermocouple Solid Product Simulator  
Mounted with a cable-tie.



Air Probes	39032-K	39138-K	50306-K	52048-K
<b>Description</b>	Hand Held Air Probe	Bare Tip Probe	Oven/Freezer Probe	Solid Product Simulator
<b>Temperature Range:</b>	-200° to 205°C (-328° to 400°F)	-200° to 205°C (-328° to 400°F)	-73° to 316°C (-100° to 600°F)	-40° to 82°C (-40° to 180°F)
<b>Max Tip Temperature:</b>	205°C (400°F)	205°C (400°F)	316°C (600°F)	82°C (180°F)
<b>Max Cable Temperature:</b>	205°C (400°F)	205°C (400°F)	316°C (600°F)	204°C (400°F)
<b>Response Time:</b>	11 seconds 5 m/sec air steam	1 second liquid 7 sec. 5 m/sec air	1 second liquid 10 sec. 5 m/sec air	Up to 2 hours to stabilize
<b>Shaft Length:</b>	102 mm (4")	-	54 mm (2.125")	38 mm (1.5")
<b>Cable Length Max Extended:</b>	914 mm (36")	914 mm (36")	1.1 m (43") w/ Stainless Steel Overbraid	152 mm (6")
<b>Weight:</b>	28 g (1 oz)	28 g (1 oz)	28 g (1 oz)	71 g (2.5 oz)
<b>Warranty:</b>	1 Year	1 Year	1 Year	1 Year

## Accessories

The Prover tests and validates the calibration accuracy of Type K Thermocouple Instruments. When plugged in it simulates three selectable temperatures.

- 9319C**
- 0°C, 25°C and 60°C
  - ±0.14°C
  - Low battery indicator (LED)
  - Battery life 100 hours
  - Weight: 57 g (2 oz)

- 9319**
- 32°F, 100°F and 160°F
  - ±0.25°F
  - Low battery indicator (LED)
  - Battery life 100 hours
  - Weight: 57 g (2 oz)



**9319C**  
Thermocouple Prover

