SH66A-E 3-Zone Temperature Instrument

For applications when multiple temperature measurements are needed, this is the instrument to use. Simultaneously measure suction and liquid line temperatures, as well as temperatures across condensing coils, evaporator coils and ambient temperatures. View temperature differential between zones 1 and 2 and review min/max temperatures from all three zones. Features include: a backlit display for dark environments; a sealed keypad which protects the instrument from spills and dust; and a battery eliminator jack. (*Specifications are on Page 12.*)
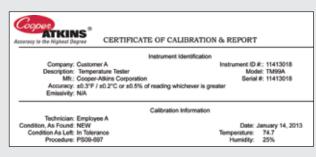
SH66A-E:
 • 1075 General Purpose Puncture Probe
 • 2010 Air Probe
 • 4011 Pipe Strap Probe

*SH66A-E-032:
 • 1075 General Purpose Puncture Probe
 • 2010 Air Probe
 • 4011 Pipe Strap Probe
 • Certificate of calibration traceable to NIST standards

SRH77A-E 3-Zone Temperature/Humidity Instrument

When temperature and relative humidity measurements are critical, the SRH77A-E is the expert's choice. View temperature differential, %RH and wet-bulb. You will find this to be an accurate and fast service tool. Features include: a backlit display for dark environments; sealed keypad which protects the instrument from spills and dust; and a battery eliminator jack. The bright blue, durable carrying case makes this tool easy to find when on location or in the back of a service truck. (*Specifications are on Page 12*)

SRH77A-E:
 • 1075 General Purpose Puncture Probe
 • 4011 Pipe Strap Probe
 • 5028 Slim Humidity Probe

*SRH77A-E-032:
 • 1075 General Purpose Puncture Probe
 • 4011 Pipe Strap Probe
 • 5028 Slim Humidity Probe
 • Certificate of calibration traceable to NIST standards

2010

1075

4011

5 Year Cooper-Atkins • Five Year Instrument Warranty

1075

5028

4011

Cooper-Atkins thermistor instruments are calibrated to temperature, electrical and/or resistance standards maintained by the company. The measurement results obtained through these standards are traceable to the U.S. Department of Commerce, National Institute of Standards and Technology (NIST). Used in HVAC/R applications where IAQ (Indoor Air Quality) and accuracy of measurements are critical to healthy environment indoor conditions and product safety such as hospitals, labs, schools, refrigeration of products and energy consumption.

4005i
Cordless Pipe Clamp Temperature Instrument

Includes 2.5" (64 mm) Retractable General Purpose Puncture Probe. Measure temperature of pipes up to 1.375" (35 mm) diameter.
 • Single-handed Use
 • Spring-loaded Probe to Ensure Repeatability
 • Auto shut-off After 5 Minutes of Non-use
 • Mode Button: Min, Max and Hold
 • Nylon, Belt-pouch (included)

4005i

Thermistor Instruments

TM99A Series
Thermistor Temperature Instrument
For applications where only one temperature is needed. It features Min/Max Memory, Hold, Auto-shutoff and an LCD backlight for dark environments.

TM99A:
- 1075 General Purpose Puncture Probe
- 9339 Soft, Carrying/Storage Pouch

TM99A-032:
- 1075 General Purpose Puncture Probe
- 9339 Soft, Carrying/Storage Pouch
- Certificate of calibration traceable to NIST standards

TM99A-V:
- 1050 Blunt-tip Veterinary Probe
- 9339 Soft, Carrying/Storage Pouch

TM99A

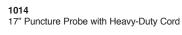|	SH66A/SH66A-E-032	SRH77A/SRH77A-E-032	TM99A/TM99A-032	4005i
Temperature Range:	-40° to 300°F (-40° to 150°C)	-40° to 300°F (-40° to 150°C)	-40° to 302°F (-40° to 150°C)	-20° to 300°F (-29° to 149°C)
Accuracy:	±0.3°F (0.2°C) OR ±0.5% Rdg. whichever is greater	±0.3°F (0.2°C) OR ±0.5% Rdg. whichever is greater	±0.3°F (0.2°C) OR ±0.5% Rdg. whichever is greater	Clamp: ±3°F (2°C) from 14° to 212°F (-10° to 100°C), Probe: ±3°F (2°C)
Humidity Range:	-	10 to 95% RH	-	-
Humidity Accuracy:	-	±2% from 20 to 80% RH ±3% below 20% and above 80% RH	-	-
Resolution:	0.1°	0.1° 1% RH	0.1°	0.1°
Display - LCD:	2" x .875" (51 mm x 22 mm)	2" x .875" (51 mm x 22 mm)	.5" (13 mm)	.25"x .875" (6 mm x 22 mm)
Backlight:	Yes	Yes	Yes	No
Min / Max:	Yes	Yes	Yes	Yes
Hold:	No	No	Yes	Yes
Ambient Operating Range:	0° to 130°F (-18° to 54°C) Up to 90% RH non-condensing	0° to 130°F (-18° to 54°C) Up to 90% RH non-condensing	32° to 122°F (0° to 50°C)	0° to 120°F Up to 90% RH non-condensing
Case Material:	Polyetheylene	Polyetheylene	ABS	Plastic
Weight:	1 lb 5 oz (595 g)	1 lb 5 oz (595 g)	5 oz (142 g)	5 oz (142 g)
Power:	(1) 9V Alkaline	(1) 9V Alkaline	(2) AAA Alkaline	(1) 1.5V LR44
Auto Shut-off:	Yes (after 15 mins)	Yes (after 15 mins)	Yes (after 5 mins)	Yes (after 5 mins)
Battery Life:	90 hours	90 hours	1800 hours	90 hours
Regulatory Listings:	CE RoHS	CE RoHS	CE RoHS	
Warranty:	5 year instrument/1 year probe	5 year instrument/1 year probe	5 year instrument/1 year probe	1 year

12

Needle Probes

All Thermistor Temperature Probes are interchangeable with all Cooper-Atkins Thermistor Instruments.

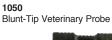|	1013	1014	1030	1050	1052	1075	1078	6000
Description:	Meat-Packing Puncture Probe	17" Puncture Probe	Screw-in Puncture Probe	Blunt-tip Veterinary Probe	Needle Probe	General Purpose Puncture Probe	7" Puncture Probe	18" Flexible Thermistor Probe
Temperature Range:	-40° to 300°F (-40° to 149°C)	-40° to 300°F (-40° to 149°C)	-40° to 300°F (-40° to 149°C)	-40° to 300°F (-40° to 149°C)	-40° to 300°F (-40° to 149°C)	-40° to 300°F (-40° to 149°C)	-40° to 300°F (-40° to 149°C)	-25° to 200°F (-40° to 93°C)
Max Tip Temperature:	300°F (149°C)	300°F (149°C)	300°F (149°C)	300°F (149°C)	300°F (149°C)	300°F (149°C)	300°F (149°C)	200°F (93°C)
Max Cord Temperature:	200°F (93°C)	200°F (93°C)	400°F (204°C)	200°F (93°C)	200°F (93°C)	200°F (93°C)	200°F (93°C)	200°F (93°C)
Response Time (liquid):	6 seconds	100 seconds	20 seconds	6 seconds	4 seconds	6 seconds	6 seconds	50 seconds
Shaft Length:	3.75" (95 mm)	17" (430 mm)	2.5" (64 mm)	3.5" (89 mm)	2.9" (74 mm)	3.75" (95 mm)	7" (178 mm)	18" (457 mm)
Shaft Diameter:	0.140" (4 mm)	0.25" (6 mm)	0.165" (4 mm)	0.125" (3 mm)	0.041" (1 mm)	0.146" (3.6 mm)	0.140" (4 mm)	0.156" (4 mm)
Cord Length:	6' (1.8 m) polyurethane (uncoiled)	6' (1.8 m) polyurethane (uncoiled)	6' (1.8 m) polyurethane (straight)	6' (1.8 m) polyurethane (uncoiled)	6' (1.8 m) polyurethane (uncoiled)	6' (1.8 m) polyurethane (uncoiled)	6' (1.8 m) polyurethane (uncoiled)	12' (3.7 m) PVC (straight)
Warranty:	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year

1013
Meat-Packing Puncture Probe

1014
17" Puncture Probe with Heavy-Duty Cord

1030
Screw-in Probe with 1/8" NPT Fitting

1050
Blunt-Tip Veterinary Probe

1052
Needle Probe
(use with Pete's Plugs)

1075
General Purpose Puncture Probe

1078
7" Puncture Probe

Surface Probes

Air Probes

	3010	4005	4011	4040	7010	2007	2010	5005	5028
Description:	Plastic Shaft Probe	Pipe Clamp Probe	Pipe Strap Probe	Fast Response Surface Probe	Air/Surface Probe	Blunt Tip Veterinary Probe	Air Probe	Air Probe	Slim Temp/Humidity Probe
Temperature Range:	-40° to 200°F (-40° to 93°C)	-14° to 212°F (-10° to 100°C)	-25° to 212°F (-32° to 100°C)	-40° to 212°F (-40° to 100°C)	-40° to 200°F (-40° to 93°C)	-40° to 300°F (-40° to 149°C)	-40° to 200°F (-40° to 93°C)	-40° to 300°F (-40° to 149°C)	0° to 150°F (-18° to 66°C)
Humidity Range:	-	-	-	-	-	-	-	-	10 to 95% RH
Max Tip Temperature:	200°F (93°C)	200°F (93°C)	212°F (100°C)	212°F (100°C)	200°F (93°C)	300°F (149°C)	200°F (93°C)	300°F (149°C)	150°F (66°C)
Max Cord Temperature:	200°F (93°C)	200°F (93°C)	200°F (93°C)	200°F (93°C)	200°F (93°C)	400°F (204°C)	200°F (93°C)	200°F (93°C)	200°F (93°C)
Response Time:	15 seconds	12 seconds	-	15 seconds	20 seconds	6 seconds	20 seconds	-	30 seconds
Shaft Length:	3" (76 mm)	-	-	3.5" (89 mm)	0.160" (4 mm)	4" (102 mm)	0.5" (13 mm)	4" (102 mm)	4.9" (125 mm)
Shaft Dia.:	0.156" (4 mm)	-	-	0.310" (Tip) (8 mm)	0.5" (13 mm)	0.140" (4 mm)	0.160" (4 mm)	0.125" (3 mm)	0.25" (6 mm)
Cord Length:	6' (1.8 m) polyurethane (uncoiled)	10' (3 m) TPE (uncoiled)	12' (3.7 m) polyurethane (uncoiled)	6' (1.8 m) polyurethane (uncoiled)	6" (152 mm) PVC cord (straight)	10' (3.0 m) PTFE (straight)	12' (3.6 m) polyurethane (straight)	6' (1.8 m) polyurethane (uncoiled)	6' (1.8 m) PVC (uncoiled)
Warranty:	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year

4005
Pipe Clamp Probe
(Maximum 1-3/8" Ø Pipe Clamp Opening)

2007
Blunt Tip Veterinary Probe

2010
Air Probe

4011
Pipe Strap Probe
(Strap, 11" Long x 1/2" Wide approx.)

4040
Fast Response Surface Probe

5028
Slim Temp/Humidity Probe

9010 10 ft./ **9015** 50 ft.
Extension Cable