



# Product Catalog



# Cooper-Atkins® Corporation

*A customer-centric technology leader in monitoring solutions for the global Foodservice, Healthcare and Industrial markets.*



Since 1885, Cooper-Atkins has been a leading manufacturer of innovative measuring systems. We have a global reach and are a trusted source for reliable, high-quality thermometers, timers, hand-held temperature and humidity instruments and expert advice. The company continues to meet the needs of its customers by remaining focused on the education and promotion of important industry issues and providing the highest level of service and customer satisfaction!

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Carol P. Wallace has been the President and CEO of Cooper-Atkins Corporation since 1994 and is recognized by the WBENC for leading a successful and thriving woman-owned corporation. The WBENC is the largest third-party certifier of businesses owned, controlled, and operated by women in the United States.



*"We will continue to provide our dedicated customers with affordable solutions for every temperature measurement challenge - from bi-metal pocket tests to hand-held thermocouple units to our high-tech wireless temperature monitoring systems. When professionals are faced with temperature challenges they will continue to look to Cooper-Atkins to provide solutions tailored to the needs of their business."*

**We'd like to introduce you to our HACCP spokesman Chef Henri. Throughout the catalog look for Henri's Hints. These call-outs feature key points about our products and how they can help support your food safety program.**





# TempTrak<sup>®</sup> Wireless Monitoring Solution

# TempTrak<sup>®</sup> ENTERPRISE



Watch the Video!

## The Wireless Monitoring Solution for Industry Professionals

All Equipment • All Locations • One Platform

Eliminate paper-driven logs for manual temperature management by converting to our TempTrak<sup>®</sup> system. It is a leading wireless monitoring system that collects and shares data across multiple locations in the same town or across country. TempTrak allows the monitoring of an unlimited number of points in an unlimited number of locations - all from a single software platform.



Foodservice



Food Processing



Healthcare



Maintenance / Facilities



Manufacturing

### How It Works

The transmitters wirelessly send data to the TempTrak software which collects and records data 24/7. In the event the server is unavailable, data is temporarily stored/secured either in a buffer at the receiver or onboard the transmitter itself (Wi-Fi). TempTrak<sup>®</sup> hardware can coexist with other wireless communications operating in the same, or nearby frequencies, or can utilize the facility's existing Wi-Fi network.

- Battery-powered transmitters - no hard-wiring required
- Easily mounts in any location
- Monitors against user-defined parameters
- Provides alerts via pager, computer pop-up and email
- Date and time-stamps - cannot be altered
- Temperature data displayed in either °C/°F
- Add notes to transmitter readings

### Alarms & Alert Notifications

Alerts may be configured by time of day and day of week, tracking all corrective actions by time, user and action. When a TempTrak transmitter identifies a monitoring point that has exceeded a preset range, it sends an alert notification via a variety of methods including:

- computer screen pop-ups
- emails
- pagers (digital, e-mail and SNPP)
- mobile phones (via e-mail)
- contact switches (turn lights or sirens on/off, and can connect to security systems to transfer and alert)
- scrolling message boards



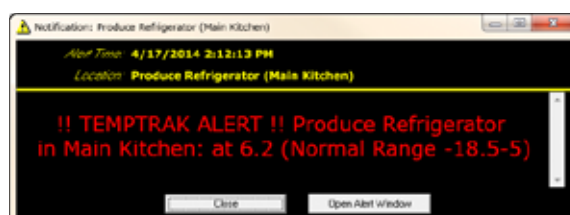
### EZLink™

#### VIEW, ACKNOWLEDGE AND CLEAR TEMPTRAK ALARMS 24/7!

Wherever you go, EZLink™ allows you to monitor your wireless system 24/7. View temperature sensor readings from your mobile device anywhere, anytime!

#### Features:

- View groups
- View sensors
- View 24 hour sensor reading history



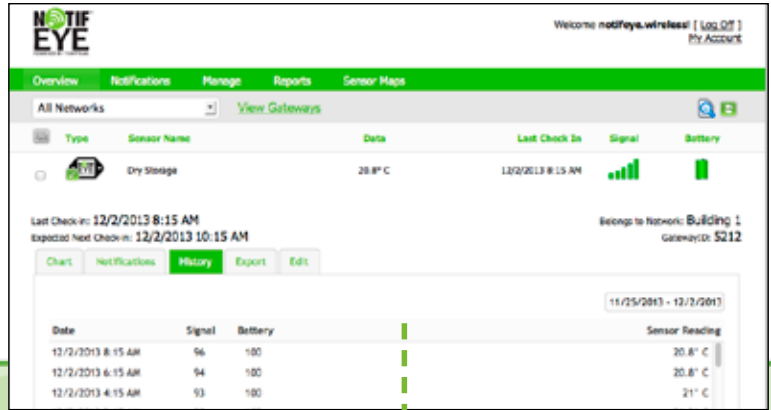


# NotifEye™ Cloud-based Wireless Monitoring

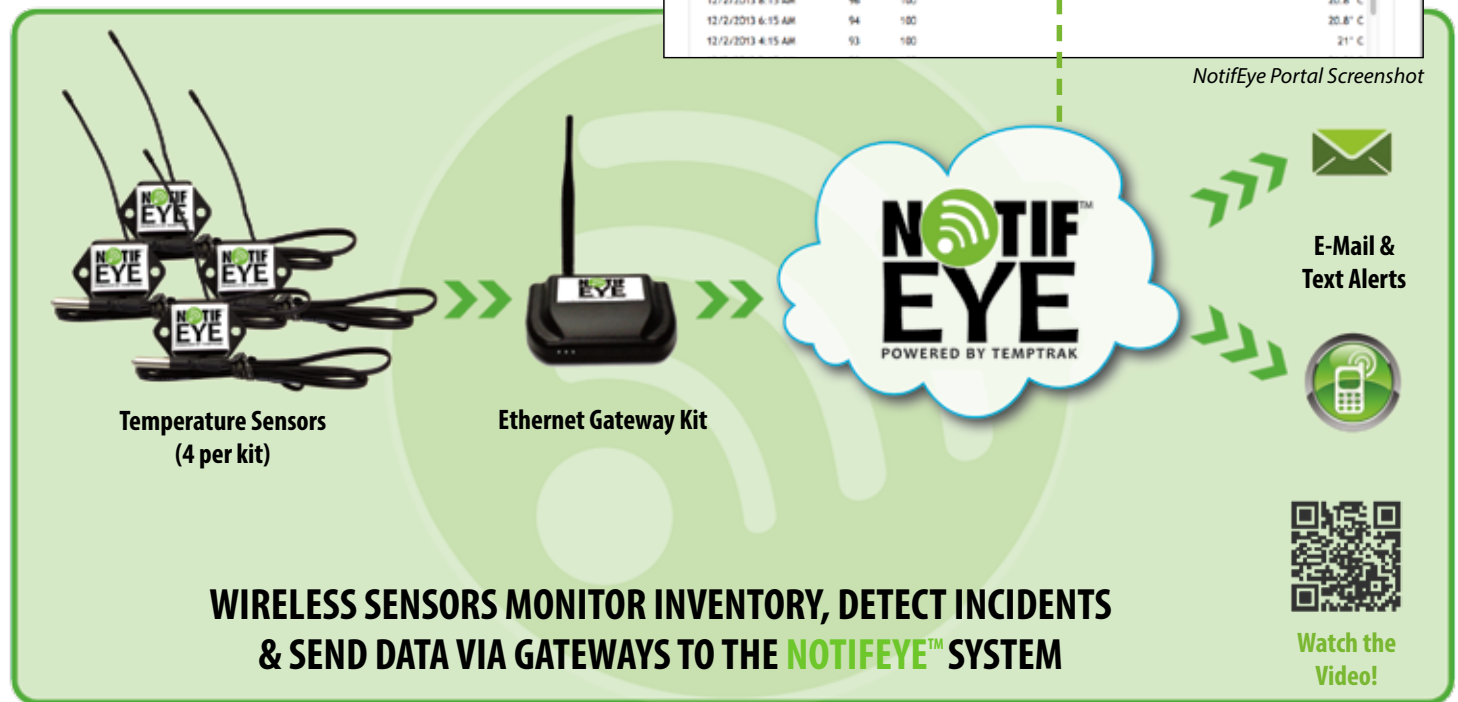
The NotifEye™ cloud-based temperature monitoring and notification system increases your operating efficiencies and avoids potential food spoilage. It is a low-cost wireless solution that is self-installable and ready to use out-of-the-box. The system has a wireless range of 76-91 m (250-300 ft) and offers unlimited sensor data storage. Data is accessible from anywhere via the internet.

The Ethernet Gateway is available in 868 or 900 MHz and includes 4 Temperature Sensors.

- **Self-installable**
- **Ready to Use Out-of-the-Box**
- **Instant Alerts**



## HOW IT WORKS



### SYSTEM FEATURES:

- Basic Sensor Configurations (Name Sensor, Set Heartbeat, Select Unit of Measurement)
- Advanced Sensor Configurations (Recovery Attempts, Inactivity Alerts, Sub Heartbeat Assessments)
- Sensor Configuration by Group
- Sensor Grouping by Gateway, Type or Status
- Unlimited Number of Networks, Sensors, Gateways and Users Supported
- Sensor Mapping Tool (Visual Placement)
- Data Reports and Sensor History Storage
- Visual Charts and Exports

### ALERT FEATURES:

- On-screen Alerts and Notifications (Single User or Multiple Recipients)
- Notifications via Email
- Permission-based Access Control and Reporting
- List of Recent Alerts for Individual Sensors

Temperature Sensor Specifications
<b>Temperature Range:</b> -40° to 125°C (-40° to 257°F)
<b>Accuracy:</b> ±1°C (±1.8°F)
<b>Ambient Operating Range:</b> -7° to 60°C (20° to 140°F)
<b>Communication:</b> 868 or 900 MHz, Antenna: 102 mm (4") high gain whip antenna
<b>Sensor Range:</b> 76-91 m (250-300 ft) non-line-of-sight (Actual range may vary depending on environment)
<b>Power:</b> Replaceable 3.0 V Lithium Ion coin cell battery
<b>Battery Life:</b> 2-3 years at 2-hour heartbeat (Battery life determined by sensor reporting frequency and other variables)
<b>Warranty:</b> 1 year

### AVAILABLE ACCESSORIES:

#### Humidity Sensor

- 0-100% RH

#### Repeater

- Extends the sensor operating range up to 50%



# HACCP Manager™ System

The HACCP Manager's™ intuitive programming requires minimal training and increases productivity. Incorporating our new HACCP Manager™ system into your food safety program will not only save you time and money, but will increase consumer confidence and ultimately improve the overall customer experience.

## 93710

### HACCP Manager™ Kit

- 37100 Handheld & Battery
- 50209-K MicroNeedle Probe
- 9382 Battery Charger
- 9383 USB Cable
- 9384 Software CD-ROM



WATCH THE VIDEO!

- 9393 Optional plug adapters

## SPECIFICATIONS

### Handheld (37100)

Temperature Range: -73.2° to 537.7°C (-99.9° to 999.9°F)

Accuracy: ±0.5°C (±1°F) or ±0.2% of reading

Resolution: 0.1°

Ambient Operating Range: 0° to 50°C (32° to 122°F)

Housing: Water resistant ABS Plastic with protective rubber boot

Probe: Accepts all type K thermocouple probes

Traceable to NIST Standards: Yes

Power: Rechargeable lithium ion battery (8 hrs typical)

Warranty: 5 year

CE RoHS



## FEATURES

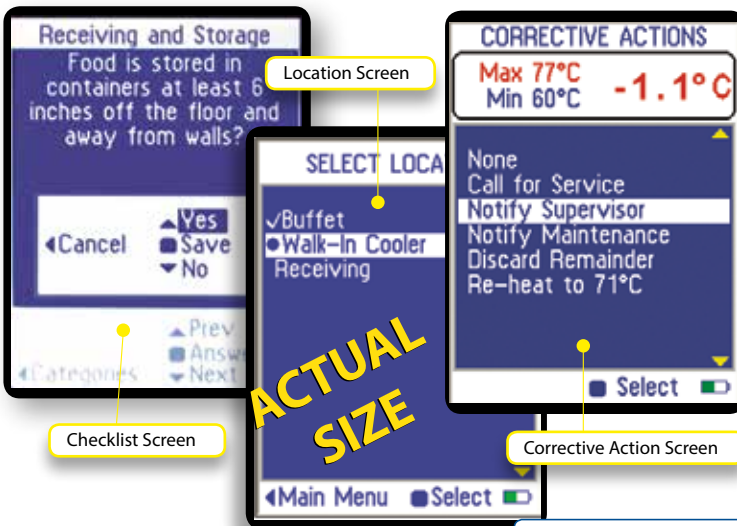
- Transfer data easily between Handheld & PC via USB cable
- Store up to 3000 temperatures and 300 menu items
- Assess temperature measurement as it stabilizes
- Identify failed results quickly via color-coded alerts
- Creates custom checklists storing up to 1500 records

## BENEFITS

- Provides a systematic and more accurate approach to temperature taking
- Ensures compliance with HACCP workflow and increases employee accountability
- Saves time by eliminating manual data collecting
- Ensures food is safe and improves health inspection scores via selectable Corrective Actions
- Reduces training time due to intuitive menu and checklist interface

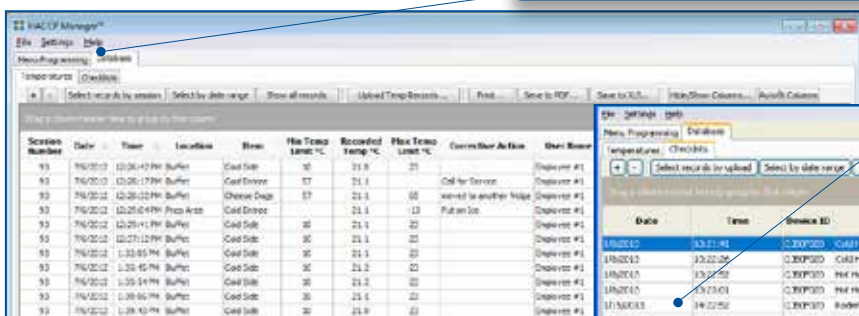
## HANDHELD DISPLAYS

The Handheld's large display measures 51 mm x 38 mm (2" x 1 1/2"), making the data easy to read, navigate and select.



The HACCP Manager™ software is the most important and powerful component of your HACCP Manager system. Data can be transferred easily between the Handheld and a PC. Using the HACCP Manager system to collect temperature data makes a HACCP program much simpler and easier to implement.

## Database Screen



The checklist feature eliminates paper logging and manages processes



# Blue2™ Bluetooth Instrument

The 92010-K Kit is made up of the 20100-K Blue2 instrument and the 50337-K DuraNeedle Direct Connect Probe. The Blue2 instrument transmits temperatures wirelessly to your mobile device via Bluetooth Low Energy. It can utilize any interchangeable Type-K thermocouple temperature probe making it versatile for insertion, air or surface temperature measurement. The data can be integrated into existing third party applications.



## 20100-K Blue2 Bluetooth Instrument

**Temperature Range:** -40° to 537°C (-40° to 999°F)

**Accuracy:** ±0.28°C (±0.5°F) with ambient temperatures between 20°C to 30°C (68° to 86°F), add ±0.05°C (±0.1°F) per degree outside of this ambient range.

**Resolution:** 0.1°

**Auto-off:** Adjustable

**Battery Life:** 750 hours (1 included)

IPX7 waterproof rated

Bluetooth Low Energy

FCC compliant, CE certified, WEEE marked, RoHS compliant, NSF listed

5-year warranty



*Note: EMC Compliance: The Blue2 probe may record temperature measurements beyond the stated accuracy when exposed to radio frequency disturbances between 250Mhz and 1000Mhz with a field strength in excess of 3.0V/m. This deviation is temporary and the Blue2 will recover when the disturbance is removed.*

## 50337-K DuraNeedle Probe

**Temperature Range:** -40° to 537°C (-100° to 500°F)

**Accuracy:** ±0.5°C (±1°F)

**Response Time:** 1 second in liquid

**Probe Length:** 102 mm (4 in)

1-year warranty

### Kit Includes:

- 20100-K Blue2 Instrument
- 50337-K DuraNeedle Direct Connect Probe



Watch the Video!





# EconoTemp™ Thermocouple Instruments & Kits

The EconoTemp's™ slim line design sits nicely in the palm of your hand and provides an ergonomic grip. The removable rubber boot provides superior impact resistance and withstands multiple drops from six feet onto a cement floor and has molded tabs on the side to hold and store needle probes. The EconoTemp™ is an ideal transitional instrument from the digital pocket test. It has greater speed and flexibility with interchangeable probes. Food safety kits include instruments and probes recommended by foodservice professionals and can be made to order. Let us build a specialized kit for you!



**32311-K**  
with 50336-K DuraNeedle Probe



**93230-K**  
with 50336-K DuraNeedle Probe and wall mount

## Five-Year Instrument Warranty



*Any instrument which proves to be defective in material or workmanship within five years of original purchase will be repaired or replaced without charge upon receipt. This Limited Warranty does not cover damage in shipment or failure caused by tampering, obvious carelessness or abuse, and is the purchaser's sole remedy.*

	32311-K	32322-K
<b>Temperature Range:</b>	-40° to 260°C (-40° to 500°F)	-40° to 538°C (-40° to 1000°F)
<b>Accuracy:</b>	±0.5°C (±1.0°F)	±0.5°C (±1.0°F)
<b>Resolution:</b>	1°	0.1° up to 257°C (495°F)
<b>Housing:</b>	ABS	ABS
<b>Power:</b>	(3) 1.5 V AAA	(3) 1.5 V AAA
<b>Battery Life:</b>	4500 hours	4500 hours
<b>Auto Off:</b>	10 min.	10 min.
<b>Weight:</b>	170 g (6 oz)	170 g (6 oz)
<b>Regulatory Listings:</b>	CE, NSF, RoHS	CE, RoHS
<b>Warranty:</b>	5 Year	5 Year



- 93233-K**  
EconoTemp™ Kit
- 32311-K Instrument
  - 50012-K Surface-angled Bell Probe
  - 50306-K Oven/Freezer Probe
  - 50336-K DuraNeedle Probe
  - 9368 Wall-mount Bracket
  - 14235 Medium Case

- 93230-K**  
EconoTemp™ Combo Pack
- 32311-K Instrument
  - 50336-K DuraNeedle Probe
  - 9368 Wall-mount Bracket

Removable rubber boot provides superior impact resistance. Withstands multiple drops from six feet onto a cement floor.

**Direct Connect Probe Allows for Single-handed Operation!**



- 94020-K**  
EconoTemp™ Single-handed Combo Pack
- 32311-K Instrument
  - 50337-K Direct Connect DuraNeedle Probe
  - 9368 Wall-mount Bracket

**Henri's Hint**  
For maximum versatility, EconoTemp™ Instruments are compatible with all Type K thermocouple probes.

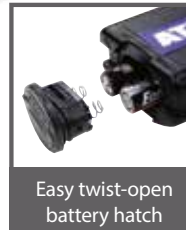


# AquaTuff™ Thermocouple Instruments & Kits

Cooper-Atkins' line of hand-held thermocouple instruments continues the proud heritage of products designed and manufactured in an ISO 9001:2008 registered facility in the USA. The powerful microprocessor in Cooper-Atkins' thermocouple instruments delivers speed and reliability with a unique memory that stores the calibration settings and will never need recalibration. The AquaTuff™ Series Thermocouple Instruments are highly accurate, NIST traceable and most importantly, as the AquaTuff™ name implies, has an IPX7 waterproof rating for greater reliability and durability in harsh environments. The non-Wrap&Stow™ enclosure design allows for maximum versatility, and can be used with any Type K thermocouple probe.

	35100-K	35200-K
<b>Temperature Range:</b>	-73° to 537°C (-100° to 999°F)	-73° to 537°C (-100° to 999°F)
<b>Accuracy:</b>	±0.3°C (±0.5°F)	±0.3°C (±0.5°F)
<b>Resolution:</b>	0.1°	0.1° / 1° selectable
<b>Housing:</b>	ABS Plastic	ABS Plastic
<b>Hold:</b>	-	Yes
<b>Backlight:</b>	-	Yes
<b>Power:</b>	(2) 1.5 V AAA	(2) 1.5 V AAA
<b>Battery Life:</b>	1800 hours	1800 hours
<b>Auto Off:</b>	10 min.	10 min.
<b>Replacement Item For:</b>	38653-K 38658-K	39658-K
<b>Weight:</b>	142 g (5 oz)	142 g (5 oz)
<b>Regulatory Listings:</b>	CE MSF RoHS	CE MSF RoHS
<b>Warranty:</b>	5 Year	5 Year

**35100-K**  
AquaTuff™  
Thermocouple Instrument



Easy twist-open  
battery hatch

## IPX7 Waterproof

The AquaTuff™ thermocouple instruments are IPX7 waterproof rated and durable for harsh environments. An IPX7-level reading means the instrument can be submerged in 1 meter of water for 30 minutes without water damage.



**35200-K**  
AquaTuff™  
Thermocouple Instrument



The non-Wrap&Stow enclosed design instruments are compatible with all Type K thermocouple probes for maximum versatility.



- 93970-K**  
AquaTuff™ Thermocouple Kit
- 35200-K Instrument
  - 50012-K Surface Angled Bell Probe
  - 50306-K Air/Oven Probe
  - 50335-K Needle Probe
  - 14235 Medium Case





# AquaTuff™ Wrap&Stow™ Thermocouple Instruments

Wrap&Stow™ designs are available with a unique, cable storage channel so that the heavy-duty, patented probe can be stored safely alongside the unit housing. The Wrap&Stow™ probe is factory-calibrated with the instrument for a higher degree of total system accuracy. The AquaTuff™ Total System Accuracy (instrument and probe accuracy combined) of 0.5°C (0.9°F) over the entire range is a result of rigorous testing traceable to NIST standards.

	35132	35135	35140	35232	35235	35240	35340
<b>Temperature Range:</b>	-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 (-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)
<b>Accuracy:</b>	±0.5°C (±0.9°F) total system accuracy	±0.3°C (±0.5°F)*	±0.5°C (±0.9°F) total system accuracy	±0.5°C (±0.9°F) total system accuracy	±0.3°C (±0.5°F)*	±0.5°C (±0.9°F) total system accuracy	±0.5°C (±0.9°F) total system accuracy
<b>Resolution:</b>	0.1°	0.1°	0.1°	0.1°/1° selectable	0.1°/1° selectable	0.1°/1° selectable	0.1°
<b>Housing:</b>	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic
<b>Hold:</b>	No	No	No	Yes	Yes	Yes	No
<b>Backlight:</b>	No	No	No	Yes	Yes	Yes	No
<b>Power:</b>	(2) 1.5V AAA	(2) 1.5V AAA	(2) 1.5V AAA	(2) 1.5V AAA	(2) 1.5V AAA	(2) 1.5V AAA	(2) 1.5V AAA
<b>Battery Life:</b>	1800 hours	1800 hours	1800 hours	1800 hours	1800 hours	1800 hours	1800 hours
<b>Auto Off:</b>	10 min.	10 min.	10 min.	10 min.	10 min.	10 min.	10 min.
<b>Weight:</b>	199 g (7 oz)	227 g (8 oz)	199 g (7 oz)	199 g (7 oz)	227 g (8 oz)	199 g (7 oz)	199 g (7 oz)
<b>Regulatory Listings:</b>	CE RoHS	CE RoHS	CE RoHS	CE RoHS	CE RoHS	CE RoHS	CE RoHS
<b>Warranty:</b>	5 Year	5 Year	5 Year	5 Year	5 Year	5 Year	5 Year

\* Accuracy specification for instrument only.

## 35132

AquaTuff™ Wrap&Stow™  
Thermocouple Instrument  
with DuraNeedle Probe



## 35235

AquaTuff™ Wrap&Stow™  
Thermocouple Instrument  
with Surface Probe



## 35340

AquaTuff™ Wrap&Stow™ ITS™  
Thermocouple Instrument  
with MicroNeedle Probe



### Henri's Hint

The Total System Accuracy (instrument and probe accuracy combined) over the entire range is a result of rigorous testing against established standards



## Instrument with ITS™ and Memory Storage

The Intelligent Temperature Stabilization (ITS™) feature, on the 35340 AquaTuff™ Wrap&Stow™ ITS™ Thermocouple, prevents the temperature from being displayed until the final stabilized temperature is reached. While in the ITS mode, you have the option of recording the stabilized temperature into the 35340 memory. The memory can store up to 250 readings, which can then be reviewed by scrolling up or down.



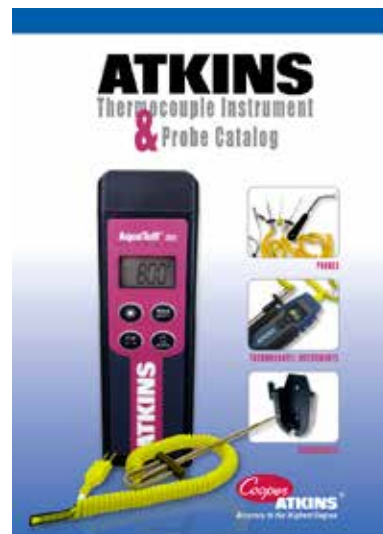
# Thermocouple Probes

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



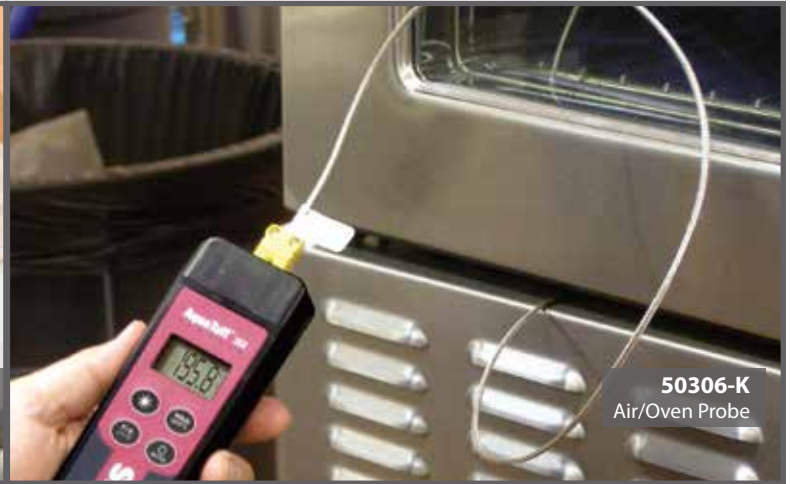
For our extensive line of probes please refer to our ATKINS Thermocouple Instrument & Probe Catalog #67-1240.



# Thermocouple Probes & Accessories



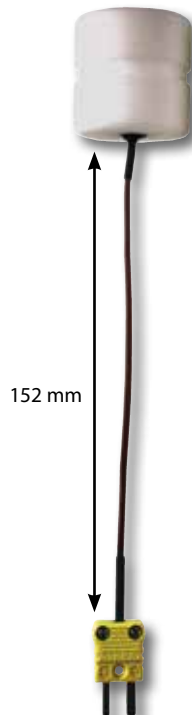
**50012-K**  
Bell Surface Probe



**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



**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

## 9391

Wire Rack & Cup  
 • Holds Thermocouple  
 • Storage cup holds pocket tests





# Thermistor Instruments

Thermistor instruments can be very accurate and used in conjunction with several different types of probes. They can measure multiple kinds of temperatures from internal food to air temperature and equipment surfaces. A thermistor is a sensor embedded in a ceramic, glass or metal bead attached to an alloy wire and is very precise within a limited temperature range.

## 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.

### 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.

### 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



## TM99A Series

### Thermistor Temperature Instrument

For applications where only one temperature is needed. It features Min/Max Memory, Hold, Auto-shut off and an LCD backlight for dark environments.

### TM99A:

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

### TM99A-E-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



	SH66A-E/ SH66A-E-032	SRH77A-E/ SRH77A-E-032	TM99A/ TM99A-E-032
<b>Temperature Range:</b>	-40° to 150°C (-40° to 300°F)	-40° to 150°C (-40° to 300°F)	-40° to 150°C (-40° to 300°F)
<b>Accuracy:</b>	±0.2°C (±0.3°F) or ±0.5% of reading, whichever is greater	±0.2°C (±0.3°F) or ±0.5% of reading, whichever is greater	±0.2°C (±0.3°F) or ±0.5% of reading, whichever is greater
<b>Humidity Range:</b>	-	10 to 95% RH	-
<b>Humidity Accuracy:</b>	-	±2% from 20 to 80% RH ±3% below 20% and above 80% RH	-
<b>Ambient Operating Range:</b>	-18° to 54°C (0° to 130°F) Up to 90% RH non-condensing	-18° to 54°C (0° to 130°F) Up to 90% RH non-condensing	0° to 50°C (32° to 122°F)
<b>Resolution:</b>	0.1°	0.1° 1% RH	0.1°
<b>Display - LCD:</b>	51 mm x 22 mm (2.0" x .875")	51 mm x 22 mm (2.0" x .875")	13 mm (0.5")
<b>Min/Max:</b>	Yes	Yes	Yes
<b>Hold:</b>	No	No	Yes
<b>Backlight:</b>	Yes	Yes	Yes
<b>Power:</b>	9V	9V	(2) 1.5V AAA
<b>Battery Life:</b>	90 hours	90 hours	1800 hours
<b>Auto Off:</b>	Yes (after 15 minutes)	Yes (after 15 minutes)	Yes (after 5 minutes)
<b>Case Material:</b>	Polyethylene	Polyethylene	ABS
<b>Weight:</b>	595 g (1 lb 5 oz)	595 g (1 lb 5 oz)	142 g (5 oz)
<b>Regulatory Listings:</b>	CE RoHS	CE RoHS	CE RoHS
<b>Warranty:</b>	5 Year	5 Year	5 Year



# Thermistor Probes

## Needle Probes

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

	1013	1014	1030	1050	1052	1075	1078	6000
<b>Description:</b>	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
<b>Temperature Range:</b>	-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 (-40° to 300°F)	-32° to 93°C (-25° to 200°F)
<b>Max Tip Temperature:</b>	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 (300°F)	93°C (200°F)
<b>Max Cord Temperature:</b>	93°C (200°F)	93°C (200°F)	204°C (400°F)	93°C (200°F)	93°C (200°F)	93°C (200°F)	93°C (200°F)	93°C (200°F)
<b>Response Time (liquid):</b>	6 seconds	100 seconds	20 seconds	6 seconds	4 seconds	6 seconds	6 seconds	50 seconds
<b>Shaft Length:</b>	95 mm (3.75")	430 mm (17")	64 mm (2.5")	89 mm (3.5")	74 mm (2.9")	95 mm (3.75")	178 mm (7")	457 mm (18")
<b>Shaft Diameter:</b>	4 mm (0.140")	6 mm (0.25")	4 mm (0.165")	3 mm (0.125")	1 mm (0.041")	3.6 mm (0.146")	4 mm (0.140")	4 mm (0.156")
<b>Cord Length:</b>	1.8 m (6') Polyurethane (uncoiled)	1.8 m (6') Polyurethane (uncoiled)	1.8 m (6') FEP Jacket (straight)	1.8 m (6') Polyurethane (uncoiled)	1.8 m (6') Polyurethane (uncoiled)	1.8 m (6') Polyurethane (uncoiled)	1.8 m (6') Polyurethane (uncoiled)	3.7 m (12') PVC (straight)
<b>Warranty:</b>	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year

**1013**  
Meat-Packing Puncture Probe



**1014**  
430 mm Puncture Probe with Heavyduty Cord



**1030**  
Screw-in Probe with 3.2 mm NPT Fitting



**1050**  
Blunt-Tip Veterinary Probe



**1052**  
Needle Probe  
(use with Pete's Plugs)



**1075**  
General Purpose Puncture Probe



**1078**  
178 mm Puncture Probe



## Surface Probes

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

## Air Probes

**2007**  
Blunt Tip Veterinary Probe



**4011**  
Pipe Strap Probe  
(Strap, approx. 279 mm long x 13 mm wide)



**4040**  
Fast Response Surface Probe



**2010**  
Air Probe



**5028**  
Slim Temp/Humidity Probe



**9010** 3 m Extension Cable  
**9015** 15 m Extension Cable



# Infrared Thermometers

Non-contact infrared thermometers provide an immediate surface temperature. Simply point the infrared (some available with a visible laser) directly at an area to obtain its temperature. Infrared thermometers are perfect for measuring items in display cases, salad bars, and buffets without touching the food or causing cross-contamination. They are also ideal for checking moving machinery, pipes and overhead equipment.



**462**  
Slim-Line Infrared



**481**  
DualTemp2 Infrared with RTD Probe



**412**  
Gun-style Infrared with Thermocouple Jack

**470**  
**Mini Infrared Thermometer**

The pocket-sized design is very compact, and includes lanyard to wear around your neck.

- Min/Max/Hold/Lock



Models 480 and 481 come with an insertion probe to obtain internal food temperatures. Model 412 accepts any Type K thermocouple probe (not included)



	412	462	470	480	481
<b>Temperature Range:</b>	Infrared -60° to 500°C (-76° to 932°F) Thermocouple Instrument -64° to 1400°C (-83° to 1999°F)	-40° to 280°C (-40° to 536°F)	-33° to 220°C (-27° to 428°F)	Infrared -33° to 220°C (-27° to 428°F) Thermocouple Probe -55° to 330°C (-67° to 624°F)	Infrared -40° to 280°C (-40° to 536°F) Thermocouple Probe -40° to 200°C (-40° to 392°F)
<b>Infrared Accuracy:</b>	±2°C (±4°F)	±2°C (±4°F)	±2°C (±3.6°F)	±2°C (±4°F)	±1°C (±2°F)
<b>Probe Accuracy:</b>	Thermocouple Jack ±1°C (±2°F)	-	-	Thermocouple Probe ±1°C (±2°F)	RTD Probe 0.5°C (±1°F)
<b>Resolution:</b>	0.1° 1° above 200°C	0.1° 1° above 230°C	0.1°	0.1° 1° above 200°C	0.1°
<b>Ambient Operating Range:</b>	0° to 50°C (32° to 122°F)	0° to 50°C (32° to 122°F)	0° to 50°C (32° to 122°F)	0° to 50°C (32° to 122°F)	0° to 50°C (32° to 122°F)
<b>Laser:</b>	Single Dot	Single Dot	None	None	Single Dot
<b>Distance to Spot (D:S):</b>	12:1	6:1	1:1	1:1	3:1
<b>Emissivity:</b>	0.95 - adjustable from 0.1 to 1.0	0.97 fixed	Preset at 0.95	0.95 - adjustable from 0.1 to 1.0	0.97 Fixed
<b>Auto Off:</b>	60 sec.	7 sec.	15 sec.	15 sec.	20 sec.
<b>Power:</b>	(2) 1.5V AAA	(1) 9V battery Alkaline	(1) Lithium button cell 3V battery - #CR2032	(1) Lithium button cell 3V battery - #CR2032	(1) 9V battery
<b>Dimensions:</b>	175 mm x 72 mm x 38 mm (6.9" x 2.8" x 1.5")	184 mm x 56 mm x 38 mm (7.375" x 2.25" x 1.5")	68 mm x 36 mm x 19 mm (2.67" x 1.44" x 0.75")	155 mm x 41 mm x 22 mm (6.125" x 1.68" x 1.625")	168 mm x 35 mm x 64 mm (6.625" x 1.375" x 2.5")
<b>Battery Life:</b>	180 Hours Typical 140 Hours Minimum	12 Hours	40 Hours Typical 30 Hours Minimum	40 Hours Typical 30 Hours Minimum	100 Hours Typical
<b>Weight:</b>	170 g (6 oz)	142 g (5 oz)	28.4 g (1 oz)	73 g (2.5 oz)	170 g (6 oz)
<b>Regulatory Listings:</b>	CE RoHS	CE RoHS	CE RoHS	CE RoHS	CE NSF RoHS
<b>Warranty:</b>	1 year	1 year	1 year	1 year	1 year

# Infrared Thermometers

	422	423	424	425
<b>Temperature Range:</b>	-60° to 500°C (-76° to 932°F)	-60° to 625°C (-76° to 1157°F)	-60° to 900°C (-76° to 1600°F)	-60° to 1000°C (-76° to 1832°F)
<b>Accuracy:</b>	±2°C (±4°F)	±2°C (±4°F)	±2°C (±4°F)	±2°C (±4°F)
<b>Resolution:</b>	0.1°	0.1°	0.1°	0.1°
<b>Ambient Operating Range:</b>	0° to 50°C (32° to 122°F)	0° to 50°C (32° to 122°F)	0° to 50°C (32° to 122°F)	0° to 50°C (32° to 122°F)
<b>Laser:</b>	Dual Dot	Dual Dot	Dual Dot	Dual Dot
<b>Distance to Spot (D:S):</b>	12:1	16:1	35:1	50:1
<b>Emissivity:</b>	0.95 Fixed	Default 0.95 - adjustable from 0.10 to 1.00	Default 0.95 - adjustable from 0.10 to 1.00	Default 0.95 - adjustable from 0.10 to 1.00
<b>Storage Temperature:</b>	-20° to 65°C (-4° to 149°F) (without battery)	-20° to 65°C (-4° to 149°F) (without battery)	-20° to 65°C (-4° to 149°F) (without battery)	-20° to 65°C (-4° to 149°F) (without battery)
<b>Power:</b>	(2) 1.5V AAA (included)	(2) 1.5V AAA (included)	(2) 1.5V AAA (included)	(2) 1.5V AAA (included)
<b>Dimensions:</b>	41 mm x 140 mm x 184 mm (1.625" x 5.5" x 7.25")	41 mm x 140 mm x 184 mm (1.625" x 5.5" x 7.25")	197 mm x 48 mm x 203 mm (7.75" x 1.875" x 8")	197 mm x 48 mm x 203 mm (7.75" x 1.875" x 8")
<b>Battery Life:</b>	14 hrs typical/10 hrs continuous use with laser/ backlight on	14 hrs typical/10 hrs continuous use with laser/ backlight on	18 hrs typical/14 hrs continuous use with laser/ backlight on	18 hrs typical/14 hrs continuous use with laser/ backlight on
<b>Weight:</b>	227 g (8 oz)	229 g (9 oz)	454 g (1 lb) w/ stand	454 g (1 lb) w/ stand
<b>Regulatory Listings:</b>	CE RoHS	CE RoHS	CE RoHS	CE RoHS
<b>Warranty:</b>	1 year	1 year	1 year	1 year

## 422 Gun-style Infrared with Laser Sighting



(D:S)  
12:1

## 423 Gun-style Infrared with Laser Sighting Accepts Type K Thermocouple probes



(D:S)  
16:1

## 424 Gun-style Infrared with Laser Sighting

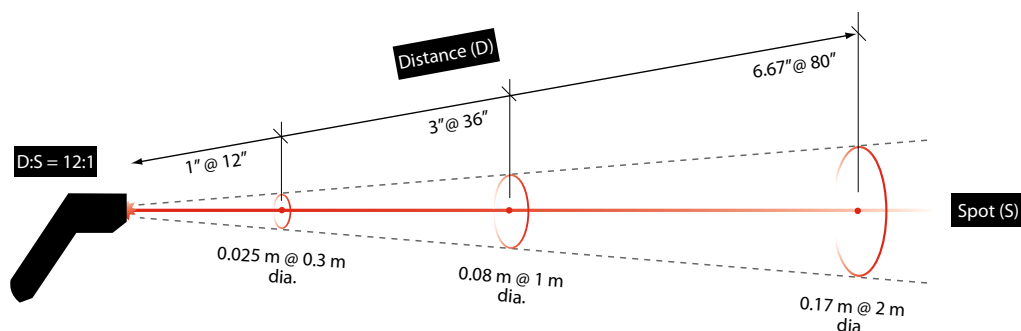
- Measures min, max, average & differential temps
- Programmable HI/LO alarms
- Built-in, high-intensity LED flashlight
- Magnetic stand
- ABS carrying case



(D:S)  
35:1


### D:S (Distance to Spot Ratio)

The further away from the object, the larger the surface area measured. Optical resolution is expressed as a ratio of the distance to the resolution spot divided by the diameter of the spot.



# Digital Thermometers



The same innovative technology incorporated in our popular thermocouple instruments, used by the most sophisticated restaurant chains in the world, is also available in select digital thermometers. With settings stored in a non-volatile memory chip, field adjustment has become a thing of the past. We are so committed to ensuring the accuracy of our products that we guarantee them for life. Look for the  logo on Cooper-Atkins' products and ask your local representative for more details.

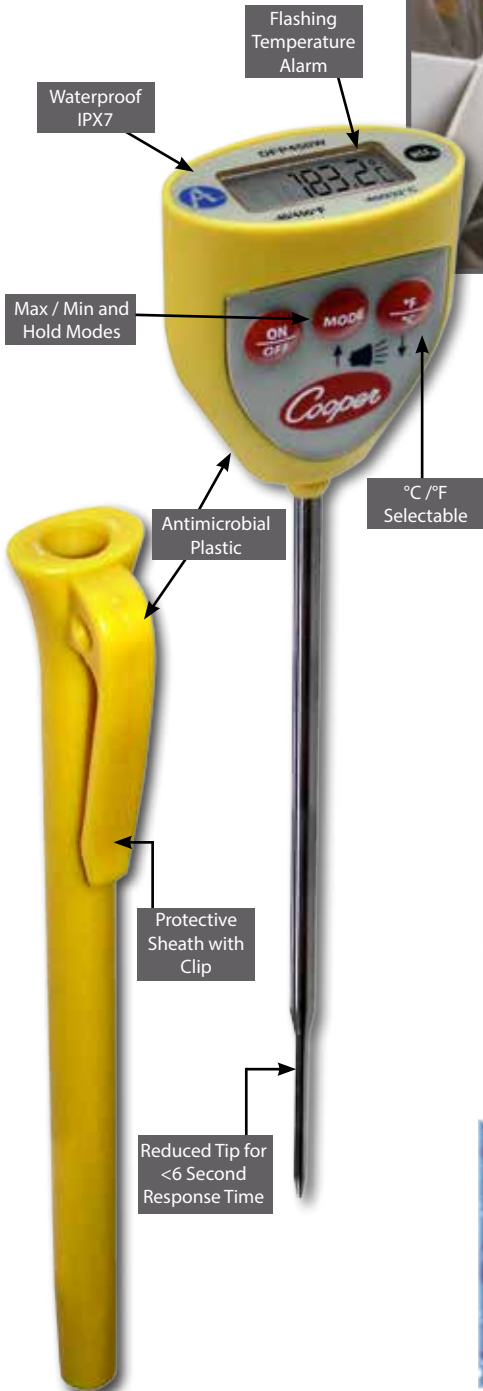
**DFP450W**  
Digital Pocket Test  
with Temperature Alarm



**DPP400W**  
Pen-style  
Digital Pocket Test



**DPP800W**  
MAX  
Digital Pocket Test



**TTM41**  
Coolit-Rite™ Cooling Validator  
monitors cooling time and  
temperature to ensure  
HACCP compliance

**DPP800W**  
**MAX Digital Pocket Test Thermometer**

- Large EZ-read LCD screen
- IPX7 Waterproof rated
- Dishwasher safe



## IPX7 Waterproof

The high-speed digital instruments are IPX7 waterproof rated and durable in harsh environments.

An IPX7-level reading means the instrument can be submerged in 1 meter of water for 30 minutes without water damage.

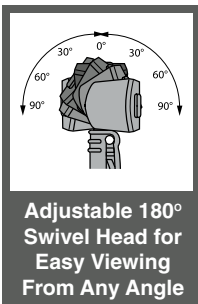


# Digital Thermometers

	DFP450W	DPP400W	DPP800W	DPS300-01	DT300	TTM41	TTM41-10	TTM59
<b>Temperature Range:</b>	-40° to 232°C (-40° to 450°F)	-40° to 200°C (-40° to 392°F)	-40° to 232°C (-40° to 450°F)	-40° to 150°C (-40° to 302°F)	-40° to 150°C (-40° to 302°F)	-20° to 150°C (-4° to 302°F)	-20° to 150°C (-4° to 302°F)	-20° to 177°C (-4° to 350°F)
<b>Accuracy:</b>	±1°C (±2°F)	±1°C (±2°F)	±0.5°C (±1°F)	±1°C (±2°F)	±1°C (±2°F)	±1°C (±2°F)	±1°C (±2°F)	±0.5°C (±1°F) over entire range
<b>Resolution:</b>	0.1°	0.1°	0.1°	0.1°	0.1°	0.1°	0.1°	0.1°
<b>Display - LCD</b>	22 mm (.875")	22 mm (.875")	38 mm (1.5")	13 mm (.50")	22 mm (.875")	32 mm (1.25")	32 mm (1.25")	11 mm (.43")
<b>Stem Length:</b>	121 mm (4.75")	70 mm (2.75")	102 mm (4")	121 mm (4.75")	117 mm (4.625")	381 mm (15")	254 mm (10")	121 mm (4.75")
<b>Power:</b>	(1) 1.5V #LR44	(1) 1.5V #LR44	(1) 1.5V #LR44	(1) 1.5V #LR44	(1) 1.5V #LR44	(1) 1.5V #LR44	(1) 1.5V #LR44	(1) 3V #CR2032
<b>Auto Shut-off:</b>	Yes (After 10 min)	Yes (After 10 min)	Yes (After 10 min)	Yes (After 10 min)	No	-	-	-
<b>Weight:</b>	20 g (0.7 oz)	28 g (1 oz)	28 g (1 oz)	28 g (1 oz)	14 g (0.5 oz)	56 g (2 oz) (with clip)	56 g (2 oz) (with clip)	51 g (1.8 oz)
<b>Water Resistance Rating:</b>	IPX7	IPX7	IPX7	-	-	Water Resistant	Water Resistant	IPX7
<b>Regulatory Listings:</b>	CE RoHS	CE RoHS	CE RoHS	CE RoHS	CE RoHS	CE RoHS	CE RoHS	CE RoHS
<b>Warranty:</b>	Lifetime	Lifetime	Lifetime	1 year	1 year	Lifetime	Lifetime	Lifetime

## DPS300-01 Digital Pocket Test with 180° Swivel Head

- On/Off Buttons
- °C/°F Switchable
- Memory Feature
- Reduced Tip Design



Adjustable 180°  
Swivel Head for  
Easy Viewing  
From Any Angle

## 9150 Probe Wipe Box

- Used for cleaning probes and digital thermometers
- 200 individual foil-wrapped wipes
  - 51 mm x 51 mm (2" x 2")
  - Weight: 8 oz (227 g)



## 9325 ValCup™



DFP450W not included

# Thermometer Validation

Using accurately calibrated thermometers is an essential component of any basic HACCP plan. Cooper-Atkins believes that every foodservice professional should implement validation testing into their regular routine to ensure their thermometers are accurate.

### Calibration is a formal comparison of any item to a known standard that is of higher accuracy.

The comparison is normally conducted under controlled environmental conditions and typically not done on-site. It is traceable to a known standard through an unbroken chain of comparison to the National Institute of Standards and Technology (NIST).

Other manufacturers include an adjustment feature known as a calibration button on their thermometers. This feature allows the user to reset the expected error/accuracy drift in the thermometer that may have developed over time. While this may sound like a useful feature, if the conditions are not controlled precisely, it could introduce more error at critical test temperatures!

**Cooper-Atkins' Accurate For Life** digital thermometers require no "field" adjustment of calibration settings, which eliminates the risk of introducing error into the instrument.

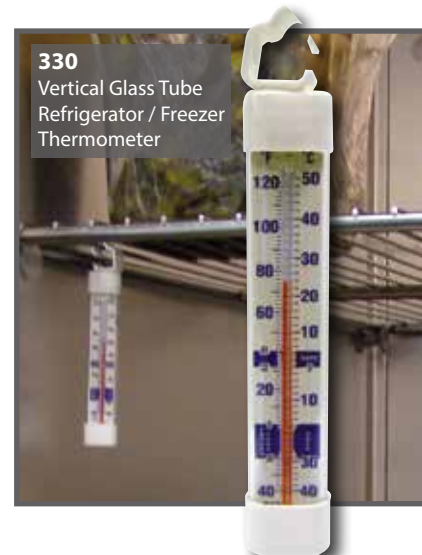
**Validation is a quick, less formal comparison of any item against a single temperature point.** When validating thermometers, it is usually by means of a single test point such as an ice bath (0°C/32°F). It can be performed regularly on-site, and is a confirmation that the instrument is accurate to within acceptable tolerances.



Watch the  
Video!

# Refrigerator/Freezer Thermometers

	2560	25HP-01	330	335-01	535-01	PM180
<b>Temperature Range:</b>	-30° to 50°C (-22° to 122°F)	-29° to 27°C (-20° to 80°F)	-40° to 50°C (-40° to 120°F)	-40° to 25°C (-40° to 80°F)	-30° to 50°C (-20° to 120°F)	-32° to 82°C (-25° to 180°F)
<b>Accuracy:</b>	0.5°C (±1°F)	±1°C (±2°F)	±1°C (±2°F)	±1°C (±2°F)	±2°C (±5°F)	±1°C (±2°F)
<b>Housing Material:</b>	Antimicrobial Plastic	Stainless Steel	Food Grade Plastic	Stainless Steel	Plastic	Plastic
<b>Dimensions:</b>	90 mm x 32 mm x 89 mm (3.562" x 1.25" x 3.5")	60 mm x 38 mm x 76 mm (2.375" x 1.5" x 3")	16 mm x 6.4 mm x 108 mm (0.625" x .25" x 4.25")	121 mm x 22 mm x 29 mm (4.75" x .875" x 1.125")	51 mm (2")	127 mm x 95 mm x 22 mm (5" x 3.75" x .875")
<b>Lens Material:</b>	Food Grade Polycarbonate	Glass	-	Food Grade Polycarbonate	Plastic	-
<b>Weight:</b>	43 g (1.5 oz)	43 g (1.5 oz)	7 g (.25 oz)	28 g (1 oz)	14 g (0.5 oz)	142 g (5 oz)
<b>Regulatory Listings:</b>	CE RoHS	NSL	NSL	NSL	-	CE RoHS
<b>Warranty:</b>	Lifetime	1 Year	1 Year	1 Year	1 Year	1 Year



**330**  
Vertical Glass Tube Refrigerator / Freezer Thermometer



**2560**  
Digital Refrigerator / Freezer Thermometer



**PM180**  
Dual-Cool™ Panel Thermometer

Cooper-Atkins' first dual temperature panel thermometer with interchangeable probes, Min/Max alarm settings and Hi/Lo temperature recall. Equipped with user-adjustable settings, it can simultaneously measure temperatures within two separate storage environments or two locations inside of the same reach-in, walk-in or hot-holding cabinet.

- PM180-01**
- PM180 Panel Thermometer
  - 2013 Air Probe
  - 2113 Solid Simulator Probe

- PM180-02**
- PM180 Panel Thermometer
  - (2) 2013 Air Probes

- PM180-03**
- PM180 Panel Thermometer
  - (2) 2113 Solid Simulator Probes

The 2560 is a low temperature digital thermometer designed to hang, stand or mount within the food zone inside cold storage cabinets. Cable-ties included for added mounting security.

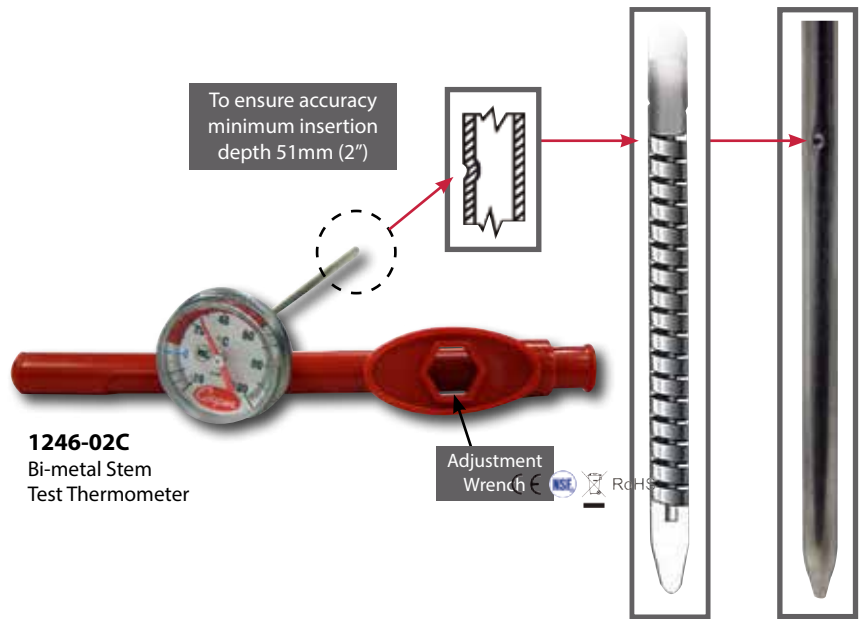


**2560 vs 25HP**  
Size Comparison

# Bi-metal Insertion Thermometers

The Cooper-Atkins' Bi-metal Pocket Test thermometers have an external dimple on the stem to indicate the minimum insertion depth. We do not recommend using bi-metal thermometers for thin, delicate foods such as hamburger patties, seafood, and pork chops. The bi-metal pocket tests have a magnifying lens for improved reading and a pocket sheath with adjustment wrench, made with antimicrobial plastic. Our 1246-02C dials have a blue indicator mark at 0°C (freezing point) for ease of adjustment, and a HACCP danger zone highlighted in red.

	1246-01C 1246-01	1246-02C 1246-02	1246-03C 1246-03
<b>Temperature Range:</b>	-40° to 80°C (-40° to 180°F)	-20° to 100°C (0° to 220°F)	10° to 285°C (50° to 550°F)
<b>Accuracy:</b>	±1°C (±2°F)	±1°C (±2°F)	±3°C (±5°F)
<b>Housing Material:</b>	Stainless Steel	Stainless Steel	Stainless Steel
<b>Dial Diameter:</b>	25 mm (1")	25 mm (1")	25 mm (1")
<b>Stem Diameter:</b>	3.5 mm (0.140")	3.5 mm (0.140")	3.5 mm (0.140")
<b>Stem Length:</b>	127 mm (5")	127 mm (5")	127 mm (5")
<b>Lens Material:</b>	Magnifying Polycarbonate	Magnifying Polycarbonate	Magnifying Polycarbonate
<b>Antimicrobial Plastic:</b>	Yes Sheath Only	Yes Sheath Only	Yes Sheath Only
<b>Weight:</b>	14 g (0.5 oz)	14 g (0.5 oz)	14 g (0.5 oz)
<b>Regulatory Listings:</b>			
<b>Warranty:</b>	1 Year	1 Year	1 Year



## Henri's Hint

The antimicrobial additive does not protect users or others against food bacteria. Always wash, rinse and sanitize this product thoroughly before and after each use.



**2237-04**  
178 mm Dial Espresso  
Milk Frothing Thermometer



**1246-02**  
Ice Slurry Adjustment



**322-01**  
Candy/Jelly/Deep-Fry  
Thermometer






**1236-70**  
25 mm Dial Espresso/  
Cafe Thermometer

	322-01	1236-70	2237-04 / 04C
<b>Temperature Range:</b>	90° to 200°C (200° to 400°F)	0° to 220°F	-10° to 104°C (0° to 220°F)
<b>Accuracy:</b>	±3°C (±5°F)	±2°F	±1°C (±2°F)
<b>Housing Material:</b>	Stainless Steel	Stainless Steel	Stainless Steel
<b>Dial Diameter:</b>	64 mm (2.5")	25 mm (1")	178mm (1.75")
<b>Stem Diameter:</b>	4.8 mm (0.190")	3.6 mm (0.140")	3.8 mm (0.15")
<b>Stem Length:</b>	152.4 mm (6") w/ vessel clip	127 mm (5")	178 mm (7") w/ vessel clip
<b>Lens Material:</b>	Glass	Magnifying Polycarbonate	Magnifying Polycarbonate
<b>Weight:</b>	57 g (2 oz)	14 g (.5 oz)	28 g (1 oz)
<b>Regulatory Listings:</b>			
<b>Warranty:</b>	1 Year	1 Year	1 Year

# Bi-metal Insertion/Cooking Thermometers

Protecting food during the preparation process is extremely important. When working with potentially hazardous foods you need to make sure it spends less than 4 hours in the "Danger Zone" between 5° - 57°C (41-135°F). Food exposed to this temperature for too long is not safe to consume. The final cooking temperature should always be tested with a thermometer, never just by looking at or touching the food.

	323	2238-06	2238-14	3270-05
<b>Temperature Range:</b>	49° to 93°C (120° to 200°F)	-10° to 100°C (0° to 220°F)	20° to 280°C (50° to 550°F)	10° to 285°C (50° to 550°F)
<b>Accuracy:</b>	±1°C (±2°F)	±1°C (±2°F)	±2.5°C (±5°F)	±5°C (±10°F)
<b>Housing Material:</b>	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
<b>Dial Diameter:</b>	64 mm (2.5")	51 mm (2")	51 mm (2")	64 mm (2.5")
<b>Stem Diameter:</b>	4.8 mm (0.190")	3.5 mm (0.140")	3.5 mm (0.140")	6.4 mm (0.250")
<b>Stem Length:</b>	152 mm (6")	203 mm (8")	203 mm (8")	381 mm (15")
<b>Lens Material:</b>	Glass	Glass	Glass	Glass
<b>Weight:</b>	57 g (2 oz)	43 g (1.5 oz)	43 g (1.5 oz)	156 g (5.5 oz)
<b>Regulatory Listings:</b>				-
<b>Warranty:</b>	1 Year	1 Year	1 Year	1 Year



**323**  
Roasting Thermometer

### Henri's Hint

The 24HP was voted the Most Reliable Oven Thermometer by America's Test Kitchen.



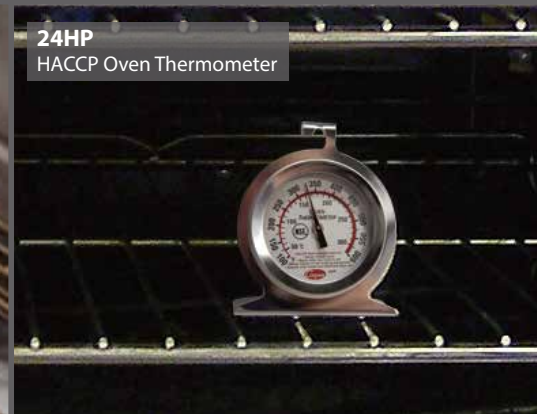
**2238-06**  
Stem Test Thermometer



**3270-05**  
Deep-Fry Thermometer



**24HP**  
HACCP Oven Thermometer






**3210-08**  
Grill Thermometer



### Henri's Hint

The Grill Thermometer has unique grips for easy removal from hot grill surfaces



	24HP-01	26HP-01	3210-08
<b>Temperature Range:</b>	100° to 600°F (50° to 300°C)	100° to 175°F (38° to 80°C)	100° to 600°F (50° to 300°C)
<b>Accuracy:</b>	±25°F (12.5°C)	±3°F (±1.5°C)	±25°F (12.5°C)
<b>Housing Material:</b>	Stainless Steel	Stainless Steel	Aluminum
<b>Dial Diameter:</b>	2" (51 mm)	2" (51 mm)	2.5" (64 mm)
<b>Lens Material:</b>	Glass	Glass	Glass
<b>Weight:</b>	1.5 oz (43 g)	1.5 oz (43 g)	3 oz (85 g)
<b>Regulatory Listings:</b>			
<b>Warranty:</b>	1 Year	1 Year	1 Year

# Storage, Wall and Panel Thermometers

Get accurate internal temperature readings without opening the doors of your storage units. Cooper-Atkins' panel meters are the perfect choice for use in walk-in refrigerators, tanks, refrigerated display cases, holding cabinets, dairy cases, and more. Save time and lower energy costs by monitoring/viewing cold storage temperatures from the outside.



**6142-20**  
Vapor Tension Thermometer



	255-14	268	6142-20	SP160-0 / 01 Black / White	PM120	T158
<b>Temperature Range:</b>	-20° to 25°C (-10° to 80°F)	-50° to 50°C (40° to 120°F)	-40° to 15°C (-40° to 60°F)	-50° to 70°C (-58° to 158°F)	-40° to 50°C (-40° to 122°F)	(Internal): 0° to 50°C (32° to 122°F)  (External): -50° to 70°C (-58° to 158°F)
<b>Accuracy:</b>	±1°C (±2°F)	±1°C (±2°F)	±1°C (±2°F)	±1°C (±2°F)	±1°C (±1.8°F)	±1°C (±2°F)
<b>Housing Material:</b>	Plastic	Plastic	Stainless Steel	Plastic	Plastic	Plastic
<b>Lens Material:</b>	Clear Acrylic	-	Polycarbonate	-	-	-
<b>Power:</b>	-	-	-	Solar with battery backup 1.5v (AAA)	1.5v (AA)	1.5v (AAA)
<b>Weight:</b>	85 g (3 oz)	85 g (3 oz)	142 g (5 oz)	85 g (3 oz)	85 g (3 oz)	156 g (5.5 oz)
<b>Regulatory Listings:</b>	-	-	NSF	CE RoHS	CE RoHS	CE RoHS
<b>Warranty:</b>	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year

## Henri's Hint

Large, brightly-colored wall thermometers increase employee awareness of HACCP guidelines while monitoring temperatures.



## SP160-01

Digital Solar Panel Thermometer



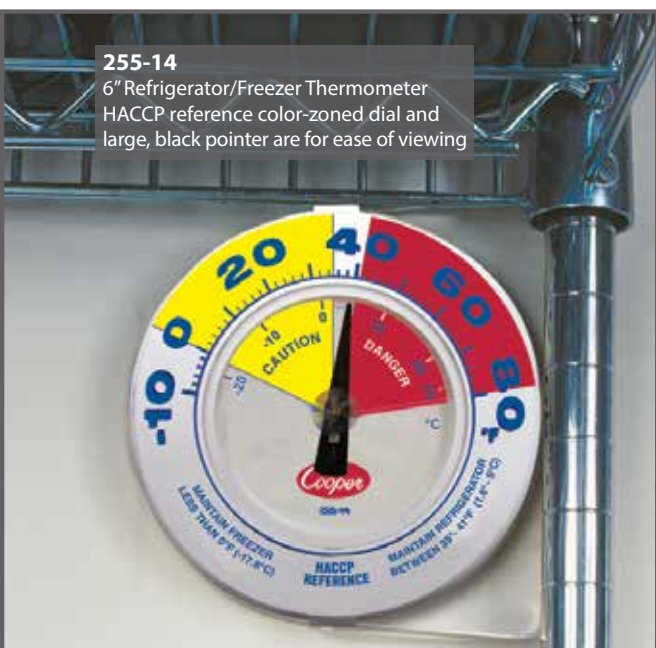
## PM120

Mini Rectangular Panel Thermometer



## 255-14

6" Refrigerator/Freezer Thermometer  
HACCP reference color-zoned dial and large, black pointer are for ease of viewing



## T158

Digital with Remote Sensor Thermometer



# Temperature & Humidity Thermometers

	TRH158	TRH122	212-150	212-158	212-159	212-159C
<b>Temperature Range:</b>	0° to 50°C (32° to 122°F)	-10° to 50°C (14° to 122°F)	-40° to 50°C (-40° to 120°F)	10° to 80°F	-10° to 80°F	-25° to 35°C
<b>Accuracy:</b>	±1°C (±2°F)	±1°C (±2°F)	1.5°C (±3°F)	±3°F	±3°F	±1°C
<b>Relative Humidity:</b>	25 to 90%	10 to 99%	0 to 100%	0 to 100%	0 to 100%	0 to 100%
<b>RH Accuracy:</b>	±5%	±5%	±5%	±5%	±5%	±5%
<b>Housing Material:</b>	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
<b>Lens Dimensions:</b>	-	-	292 mm (11.5")	292 mm (11.5")	292 mm (11.5")	292 mm (11.5")
<b>Lens Material:</b>	-	-	Plastic with UV additive	Plastic with UV additive	Plastic with UV additive	Plastic with UV additive
<b>Power:</b>	1.5v (AAA)	1.5v (AAA)	-	-	-	-
<b>Weight:</b>	127 g (4.5 oz)	85 g (3 oz)	425 g (15 oz)	425 g (15 oz)	425 g (15 oz)	425 g (15 oz)
<b>Regulatory Listings:</b>	CE RoHS	CE RoHS	-	-	-	-
<b>Warranty:</b>	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year



**212-150**  
12" Wall Thermometer/Humidity Meter



**TRH122**  
Digital Temperature & Humidity  
Dual Display Mini Wall Thermometer

The TRH122M measures both temperature and %Relative Humidity. It features Min/Max memory and is °C/°F selectable.



**212-159C**  
12" HACCP Cooler/Freezer  
Wall Thermometer

The 212-159C 12" HACCP Cooler/Freezer Wall Thermometer with Humidity Meter. HACCP reference color-zone dial and large black pointer for easy viewing. Oversized wall thermometers allow easy monitoring of temperatures in critical food-related locations.



**TRH158**  
Digital Temperature & Humidity Wall Thermometer

Measure both temperature and humidity with the TRH158. It is wall or desk mountable and is °C/°F selectable.

# Timers

Cooper-Atkins' timers are easy to use because of their large, easy-to-read displays. Our digital timers feature an adjustable volume control, stopwatch capabilities, wall or magnet mounting, non-skid rubber feet and grease-resistant keypads. Recall settings help save time in the kitchen.



**FT24**  
Digital Timer



**TC6**  
Six Button Timer



**TFS4**  
Multi-station Timer

Wire hanger is perfect for mounting on coffee urns and air pots

Now with Optional AC adapter #9374

	DTT361	FT24	TC6	TFS4	TM60	TS100	TW3
<b>Unit Range:</b>	23:59:59 Hours	23:59:59 Hours	23:59:59 Hours	99 Hours 59 Minutes	0 to 60 Minutes	99 Minutes 59 seconds	99 Minutes 59 seconds
<b>Resolution:</b>	1 second	1 second	1 second	Hours/Minutes Minutes/Seconds	1 minute	1 second	1 second
<b>Power Source:</b>	1.5 v AAA	(4) 1.5V "C"	1.5 v AAA	(4) 1.5v "C" AC Adapter (optional)	Wind up	1.5v LR44	1.5 v AAA
<b>Memory / Recall:</b>	Yes	Yes	Yes	Yes	-	Yes	Yes
<b>Modes:</b>	-	-	Counts up/down	Counts up/down	-	-	-
<b>Alarm Level (Decibel):</b>	-	90 decibels	85 decibels	90 decibels	70 decibels	70 decibels	70 decibels
<b>Housing:</b>	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic	Stainless Steel	ABS Plastic	ABS Plastic
<b>LCD Dimensions:</b>	48 mm x 35 mm (1.875" x 1.375")	22 mm x 54 mm (0.875" x 2.25")	16 mm x 41 mm (0.625" x 1.625")	76 mm x 76 mm (3" x 3")	-	-	38 mm x 76 mm (1.5" x 2.5")
<b>Weight:</b>	113 g (4 oz)	539 g (1 lb 3 oz)	57 g (2 oz)	523 g (1 lb 6 oz)	113 g (4 oz)	28 g (1 oz)	85 g (3 oz)
<b>Regulatory Listings:</b>	CE RoHS	CE	CE RoHS	CE RoHS		CE RoHS	CE RoHS
<b>Warranty:</b>	1 Year	2 Year	1 Year	1 Year	1 Year	1 Year	1 Year



**TS100**  
Stopwatch Timer



**DTT361**  
Cooking Thermo-timer with  
time/temperature alarm



**TM60**  
Long-ring, 60 Minute  
Mechanical Timer



**TW3**  
Large Digit  
Multi-Function Timer

Mount by wire hanger, wall  
hook, belt clip or magnet

