

# Temperature Measurement with Bluetooth® Wireless Technology

*Enter the Smart Age with Bluetooth Products from ThermoWorks*



**Thermopen® ONE Blue**  
**HACCP Bluetooth Thermometer**

# Thermometers with Bluetooth® Wireless Technology

FOOD SERVICE | FOOD PROCESSING | HEALTH INSPECTIONS | INDUSTRIAL

## The Leader in Foodservice Thermometers Featuring Bluetooth Wireless Technology

Best selection and most widely-used thermometers in food service. Highest precision backed by an internationally accredited calibration lab. Each device works with ThermoWorks App and Cloud or can be seamlessly integrated into existing mobile applications with a professional SDK. All models feature Bluetooth Low-Energy. Use our extensive line of connected thermometers for line checks, audits, receiving, grilling, cooking, high and low temp warewashing, machine testing, checking cold and hot holding, as well as measuring surface temperatures, cook-chill, ROP, and more.



**Click or scan**  
to see all Bluetooth  
Products at  
[ThermoWorks.com](https://www.thermoworks.com)



# PRODUCTS

## ThermoWorks App and Cloud

All Bluetooth devices work right out of the box with ThermoWorks App and Cloud and integrate seamlessly with the leading foodservice software apps providing perfect simplicity for single users, and powerful integrated solutions for large corporate brands to track HACCP compliance across the enterprise.

Create unique checklists for your brand quickly in the ThermoWorks Cloud and deploy them to smart devices running the ThermoWorks App at all locations for paperless HACCP checks. Track compliance and hold stores accountable for their food safety checks right from your desktop or smart device.

### TEMPTEST® BLUE & TEMPTEST® 2 BLUE

p5

292-910  
292-857

All the features of TempTest, now with Bluetooth wireless technology. Perform line checks faster and more accurately with readings saved directly to your smart device. You can use it as a standalone thermometer as well, if preferred.

2-3 second readings  
High accuracy to  $\pm 0.7^{\circ}\text{F}$   
Interchangeable probe options  
Waterproof to IP67



### THERMAPEN® IR BLUE

p6

228-965

Combine the unparalleled speed and accuracy of a Classic Themapen with the versatility of an instrument-grade infrared sensor with Bluetooth technology. Why carry two different thermometers when you can just carry Themapen IR Blue?

Probe readings in only 2-3 seconds  
Checklist functionality in the ThermoWorks App & Cloud  
Adjustable emissivity infrared from 0.1 to 1.0



### THERMAPEN® ONE BLUE

p4

279-607

All the features of the award-winning Themapen ONE, now with Bluetooth® wireless technology and enhanced checklist display. Perform line checks faster and more accurately with readings saved directly to your smart device.

Best in class accuracy to  $\pm 0.5^{\circ}\text{F}$   
Includes NIST-traceable calibration certificate  
1 second readings  
Waterproof to IP67



### THERMA K BLUE

p7

292-041

Therma K Blue is the workhorse Bluetooth thermometer that measures whatever you need with high precision. Choose from hundreds of standard thermocouple probes to measure cooktops, buffet stations, prep areas, walk-ins, and much more.

Compact, ergonomic design  
Interchangeable type K thermocouple probes  
High-Temp Measurement range to  $2501^{\circ}\text{F}$  ( $1372^{\circ}\text{C}$ )



### DISHTEMP® BLUE

p8

TX-5200

DishTemp Blue accurately and irreversibly records the max surface temperature of dishware in commercial dishwashers and saves the recordings directly to a smart device.

Measures true plate surface temperature  
Records irreversible MAX temp of dishwasher  
Use with checklists or integrate into your existing apps



### BLUEDOT®

p9

TX-1400

BlueDOT combines the simplicity of DOT®, top-rated oven alarm thermometer, with the connectivity of Bluetooth wireless technology giving you one simple, connected, and powerful thermometer.

Straightforward display—current and alarm temp  
95-foot line-of-sight transmission  
Track alarms, Max/Min, and graph in app



### RAYTEMP® BLUE

p10

228-920

With an optic ratio of 5:1 and food grade accuracy, RayTemp Blue is perfect for close range, non-contact foodservice temperature measurements. Perform line checks faster and more accurately with readings saved directly to your smart device.

Adjustable emissivity  
Range to  $662^{\circ}\text{F}$   
5:1 distance to spot ratio





# THERMAPEN® ONE BLUE

- **ONE Second Readings** eliminates waiting, gets more done accurately
- **Best in class accuracy** to  $\pm 0.5^{\circ}\text{F}$  ( $\pm 0.3^{\circ}\text{C}$ )
- **Enhanced Checklist Display** shows food item, high/low limits, PASS/FAIL

ThermoWorks is the industry leader in Bluetooth-connected temperature probes. Thermapen ONE Blue is the future with its revolutionary checklist display that shows the operator the specific item to measure, its high and low food-safety limits, and whether the reading falls inside or outside the danger zone.

Protect customers and your brand. Empower your staff to make immediate food safety decisions instead of waiting and reviewing paper logs months later. This is a game changer for your restaurants or production facilities!



## SPECIFICATIONS

<b>Range</b>	−58 to 572°F (−49.9 to 299.9°C)
<b>Accuracy</b>	$\pm 0.5^{\circ}\text{F}$ ( $\pm 0.3^{\circ}\text{C}$ ) from −4 to 248°F (−20 to 120°C), $\pm 0.7^{\circ}\text{F}$ ( $\pm 0.4^{\circ}\text{C}$ ) from −58 to 392°F (−50 to 200°C), otherwise $\pm 1.8^{\circ}\text{F}$ ( $\pm 1.0^{\circ}\text{C}$ )
<b>Resolution</b>	0.1°
<b>Response Time</b>	1 second
<b>Probe</b>	4.3 L inches, high performance Type K thermocouple
<b>Wireless Comm.</b>	BLE 5.0
<b>Approvals</b>	US (FCC), Canada (IC), EU (CE - Complies with all relevant directives for Europe), AU/NZ (RCM)
<b>Auto-off</b>	1 to 1440 minutes (1 days) - default 10 minutes, (adjustable in the app)
<b>Water Resistance</b>	IP67
<b>Operating Range</b>	−4 to 122°F (−20 to 50°C)
<b>Battery</b>	1.5 volt AAA, 500 hours typical, included
<b>Dimensions</b>	1.97 H x 6.2 W x 0.75 D inches (50 H x 157 W x 19 D mm)
<b>Weight</b>	0.25 lbs (112g) (4.5 oz)
<b>Certificate</b>	Includes NIST-traceable calibration certificate. NSF Certified

## LEARN MORE



# TEMPTEST® BLUE & TEMPTTEST® 2 BLUE

- Waterproof IP67, compact design
- Automatic 360° rotating display
- SDK & technical support available
- Interchangeable thermocouple probes available

The TempTest Blue and TempTest 2 Blue combine Bluetooth® wireless technology with high accuracy, precision, and fast response. Simply

connect to your host device (iOS or Android) via the app, probe the item to be measured, and press the button to securely transmit your temperature data up to 150 feet.

The thermometer is housed in a waterproof IP67 case with an ergonomic rubber seal. Both include Biomaster antimicrobial technology to reduce bacterial growth. TempTest Blue incorporates a stainless steel food penetration probe with a fast-response tip. The true temperature of a product can be measured in 2-3 seconds. TempTest 2 Blue features a removable probe. Choose from dozens of interchangeable Type K probe options including surface, needle, air, and wire probes.



## SPECIFICATIONS

**Range** -58.0 to 572.0°F (-49.9 to 299.9°C)

**Accuracy** ±0.7°F (±0.4°C) from -58 to 392°F (-49.9 to 199.9°C)  
otherwise ±1.8°F (±1.0°C)

**Resolution** 0.1°

**Response Time** 2-3 seconds (reads to within 1°F of final temperature of an ice bath in 3 seconds)

**Probe** Type K thermocouple

**Auto-off** 1 to 1440 minutes (1 day) - default 10 minutes

**Water Resistance** IP67

**Wireless Comm.** BLE 5.0

**Approvals** US (FCC), Canada (IC), EU (CE - Complies with all relevant directives for Europe), AU/NZ (RCM)

**Operating Range** -4 to 122°F (-20 to 50°C)

**Battery** 1.5 volt AAA x 2, 1,000 hours typical

**Dimensions** 7.9 H x 1.9 W x 0.7 D inches  
(200 H x 47 W x 17 D mm) including probe

**Weight** 3.7 oz. (105 g)

**Certificate** Includes NIST-traceable calibration certificate, NSF Certified



Made in England



# THERMAPEN® IR BLUE

- Probe readings in only 2-3 seconds, infrared readings in 1 second
- Checklist functionality in ThermoWorks App & Cloud
- Adjustable emissivity infrared from 0.1 to 1.0

Two professional instruments in one! Now with Bluetooth® Wireless Technology!

Go paperless with Themapen IR Blue! Get your temp checks done more accurately, faster, and without paper recording errors. Use the ThermoWorks mobile app and Cloud for quick access to your data, or integrate with your existing software platform through your integration partner.

## SPECIFICATIONS

<b>IR Range</b>	-58.0 to 662°F (-49.9 to 349.9°C)
<b>IR Accuracy</b>	±1.8°F (±1.0°C) from 32 to 212°F (0 to 100°C) otherwise ±3.62°F (±2.0°C) or 2% of reading, whichever is greater
<b>IR Response Time</b>	1 second
<b>Distance-to-Target</b>	5:1 target ratio (5 inch distance measures a 1 inch diameter target area)
<b>Emissivity</b>	0.95 default - adjustable 0.1 to 1
<b>Probe Range</b>	-58.0 to 572.0°F (-49.9 to 299.9°C)
<b>Probe Accuracy</b>	±0.7°F (±0.4°C) from -58 to 392°F (-49.9 to 199.9°C) otherwise ±1.8°F (±1.0°C)
<b>Probe Response Time</b>	2-3 seconds (reads to within 1°F of final temperature of an ice bath in 3 seconds)
<b>Probe</b>	0.12 dia. x 4.3 L inches (3.3 x 110 L mm) reduces to 0.06 dia. x 0.60 L inches (1.5 dia. x 1.75 L mm), High Performance Type K Thermocouple
<b>Resolution</b>	0.1°
<b>Wireless Comm.</b>	BLE 5.0
<b>Water Resistance</b>	IP54
<b>Auto-Off</b>	10 minutes (adjustable in app)
<b>Operating Range</b>	-4 to 122°F (-20 to 50°C)
<b>Certificate</b>	Includes NIST-traceable calibration certificate. NSF Certified
<b>Dimensions</b>	6.18 H x 1.97 W x 0.75 D inches (157 H x 50 W x 19 D mm)



# THERMA K BLUE

- Bluetooth-enabled readings with  $\pm 0.7^{\circ}\text{F}$  accuracy
- Interchangeable Type K thermocouple probes for ultimate versatility
- High-temp measurement range:  $-327.82$  to  $2501.6^{\circ}\text{F}$  ( $-199.9$  to  $1372^{\circ}\text{C}$ )

Tired of juggling multiple thermometers and unreliable readings? Meet Therma K Blue — a Bluetooth® thermometer built for the fast-paced demands of commercial kitchens. Designed with precision and versatility in mind, it pairs seamlessly with hundreds of Type K thermocouple probes, giving you the flexibility to monitor food, surfaces, and air with one reliable device. Splashproof and tough enough for daily use, Therma K

Blue takes the hassle out of temperature checks. It syncs effortlessly with the ThermoWorks App for real-time data logging and compliance, while its antimicrobial Biomaster technology and robust battery life ensure consistent performance. From prep stations to walk-ins, Therma K Blue keeps your kitchen running smoothly, ensuring you're always ready to meet food safety standards with confidence.

## SPECIFICATIONS

Range	$-147.8$ to $2501^{\circ}\text{F}$ ( $-99.9$ to $1372^{\circ}\text{C}$ )
Accuracy	$\pm 0.5^{\circ}\text{F}$ ( $\pm 0.3^{\circ}\text{C}$ ) from $32$ to $212^{\circ}\text{F}$ ( $0$ to $100^{\circ}\text{C}$ ) $\pm 0.7^{\circ}\text{F}$ ( $\pm 0.4^{\circ}\text{C}$ ), $\pm 0.1\%$ full range
Response Time	1 second
Units	$^{\circ}\text{C}/^{\circ}\text{F}$ switchable (user reconfigurable in app)
Water Resistance	IP54
Wireless Communication	BLE 5.0
Approvals	US (FCC), Canada (IC), EU (CE - Complies with all relevant directives for Europe), AU/NZ (RCM)
Battery	3 x 1.5 volt AAA included, 3,000 hours typical
Auto-Off	10 minutes (adjustable in app)
Operating Range	$-4$ to $122^{\circ}\text{F}$ ( $-20$ to $50^{\circ}\text{C}$ )
Display	1 H x 1.5 W inches (24 H x 38 W mm) LCD
Dimensions	5 H x 2.2 W x 1 D inches (128 H x 56 W x 25 D mm)
Weight	4.9 oz. (140 grams)

Certificate	Includes NIST-traceable calibration certificate. NSF Certified
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# DISHTEMP® BLUE

- Simulates maximum plate surface temperatures
- Waterproof to IP66
- Transmits temperature data directly to any smart device
- Replaces costly throwaway test strips

DishTemp Blue Dishwasher Thermometer transmits temperature data to your iOS or Android smart device via a secure wireless connection of up to 20 feet.

DishTemp Blue is specifically designed to save time and paper and eliminate human error when recording dishwasher cycle temperatures. DishTemp Blue also simulates a plate as it's cleaned and sanitized in a commercial dishwasher, accurately and irreversibly recording the maximum surface temperature, eliminating the need for costly and inaccurate test strips or stem thermometers that do not stay in place. Store your daily dishwasher temps digitally so you're always ready for an inspection.



## SPECIFICATIONS

Range	32 to 194°F (0 to 90°C)
Accuracy	±0.9°F (±0.5°C)
Resolution	0.1°
Water Resistance	IP66
Operating Range	32 to 194°F (0 to 90°C)
Wireless Communication	Bluetooth version 4.1 About 20 feet (6 meters) (device dependent)
Approvals	US (FCC Part 15), Canada (IC), EU (CE - Complies with all relevant directives for Europe), AU/NZ (RCM)
Battery	1x CR2032 (3V) lithium coin cell, 50 hours
Display	1.04 H x 1.77 W inches (26.5 H x 45 W mm)
Dimensions	5 dia. x 0.55 D inches (127 dia. x 14 D mm)
Certificate	Includes NIST-traceable calibration certificate
Special Feature	Irreversible Max temperature indicator





- Straightforward display—current and alarm temp
- 95-foot line-of-sight transmission
- Track alarms, Max/Min, and graph in app
- Uses Pro-Series® temperature probes

BlueDOT combines the simplicity of DOT, our top-rated oven alarm thermometer, with the connectivity of Bluetooth® wireless technology giving you one simple, connected, and powerful thermometer. Simply set your temperature target with the up or down buttons, or right from your smartphone, and BlueDOT will beep when it gets there. Hear your alarms on BlueDOT and your smart device with the mobile app. The wireless connection also allows you to track Max/Min temperatures and graph your cook. BlueDOT has big, easy-to-read digits, a backlit display, molded-in splash-proof seals, and a commercial-grade housing making it durable and user-friendly. It comes with a ThermoWorks Pro-Series probe with a cable that withstands up to 700°F (370°C), a fold-out stand, and a magnetic back for surface mounting. BlueDOT works with any of the optional Pro-Series probes outlasting all competitors. Intended for commercial food service, BlueDOT beats houseware brands for simplicity and durability.



SPECIFICATIONS

Probe Range	-58 to 572°F (-50 to 300°C)
Cable Max Temp	Max 700°F (370°C)
Accuracy	±1.8°F (±1.0°C) from -4 to 248°F (-20 to 120°C) ±3.6°F (±2.0°C) from -58 to -4°F / 248 to 392°F (-50 to -20°C / 120 to 200°C)
Max Sound Volume	70dB
Wireless Communication	Bluetooth version 4.1 About 95 feet line-of-sight (device dependent)
Approvals	US (FCC), Canada (IC), EU (CE - Complies with all relevant directives for Europe), AU/NZ (RCM)
Water Resistance	IP65 (excluding probe connector)
Operating Range	32 to 122°F (0 to 50°C)
Backlight	10 seconds
Resolution	1°
Units	°C/°F switchable
Sensor	Thermistor
Battery	2 x AAA, 500 hours typical (using Bluetooth)
Dimensions	3.125 H x 3.125 W x 0.75 D inches (79.4 H x 79.4 W x 19.1 D mm)



# RAYTEMP® BLUE

- Securely transmit temperature data to any smart device
- Distance to spot ratio of 5:1
- Time-saving, paperless HACCP recording
- Includes NIST-traceable certificate of calibration

RayTemp Blue infrared non-contact thermometer incorporates many of the features of the RayTemp 2, but with Bluetooth® wireless technology. With an optic ratio of 5:1 and food grade accuracy, RayTemp Blue is perfect for close range, non-contact foodservice temperature measurements. Simply connect to your host device (iOS or Android) via the app, press and hold the measure button,

## SPECIFICATIONS

<b>Range</b>	-58 to 662°F (-49.9 to 350°C)
<b>Accuracy</b>	±1.8°F (±1.0°C) from 32 to 212°F (0 to 100°C) otherwise ±3.6°F (±2.0°C) or 2% of reading, whichever is greater
<b>Response Time</b>	1 second
<b>Distance to Target</b>	5:1 target ratio (5 inch distance measures a 1 inch diameter target area)
<b>Emissivity</b>	0.95 default - adjustable 0.1 to 1
<b>Spectral Range</b>	5 to 16 µm
<b>Resolution</b>	0.1° / 1°
<b>Units</b>	°C/°F switchable (user reconfigurable in app)
<b>Water Resistance</b>	IP54
<b>Wireless Communication</b>	Bluetooth LE
<b>Approvals</b>	US (FCC), Canada (IC), EU (CE - Complies with all relevant directives for Europe), AU/NZ (RCM)
<b>Battery</b>	3 x 1.5 volt AAA included, 3,000 hours typical
<b>Auto-Off</b>	10 minutes (adjustable in app)
<b>Operating Range</b>	-4 to 122°F (-20 to 50°C)
<b>Display</b>	1 H x 1.5 W inches (24 H x 38 W mm) LCD
<b>Dimensions</b>	5 H x 2.2 W x 1 D inches (128 H x 56 W x 25 D mm)
<b>Weight</b>	4.6 oz. (130 grams)
<b>Certificate</b>	Includes NIST-traceable calibration certificate



and aim at the target to display the surface temperature and securely transmit measurements up to 150 feet. Can be integrated with existing apps with available SDK—call for details.



Made in England

