Smart Bluetooth Fridge & Freezer Sensors , Probes & Dishwasher Thermometer Plate

SMART SENSORS

HT.w Water-Resistant Temperature / Humidity Smart Sensor

Our Water-Resistant Temperature / Humidity Smart Sensor pairs effortlessly with our mobile apps and the optional SensorPush G1 WiFi Gateway to provide a premium solution for monitoring humidity and temperature, dewpoint, and VPD conditions over time.

It features a premium digital humidity/temperature sensor with a typical accuracy of ±2%RH/±0.2˚C and adds a sensor membrane and o-ring seals for a durable splash and rain proof design. Battery changes are now easier and even more infrequent than ever with the easy change battery cap and a typical battery life of over 2 years in normal conditions.

Its long range (100m / 325' line of sight) keeps you up to date, even at a distance. The premium sensing component provides highly accurate, repeatable measurements that you can trust.

Data is collected at one minute intervals and is stored on the sensor for over a month. It is automatically pushed to mobile applications when they are in range. There it is stored for graphing and analysis. The apps allow alert ranges to be set, so you can know when there's a problem without constant checking.

HTP.xw Extreme Accuracy Water-Resistant Temperature / Humidity / Barometric Pressure Smart Sensor

Our Extreme Accuracy Water-Resistant Temperature / Humidity / Barometric Pressure Smart Sensor pairs effortlessly with our mobile apps and the optional SensorPush G1 WiFi Gateway to provide the most premium solution for monitoring barometric pressure, humidity and temperature, dewpoint, and VPD conditions over time.

It features the world's most accurate digital humidity/temperature sensor with a typical accuracy of ±1.5%RH/ ±0.1˚C and adds a sensor membrane and o-ring seals for a durable splash and rain proof design as well as a highly accurate barometric pressure sensor with a typical accuracy of ±0.5mb. Battery changes are now easier and even more infrequent than ever with the easy change battery cap and a typical battery life of over 2 years in normal conditions.

HT1 Temperature and Humidity Smart Sensor

Our Humidity & Temperature Smart Sensor pairs effortlessly with our mobile apps and the optional SensorPush G1 WiFi Gateway to provide the ideal solution for monitoring humidity and temperature conditions over time.

Its long range (100m / 325' line of sight) keeps you up to date, even at a distance. The premium sensing component provides highly accurate, repeatable measurements that you can trust.

Data is collected at one minute intervals and is stored on the sensor for over two weeks. It is automatically pushed to mobile applications when they are in range. There it is stored for graphing and analysis. The apps allow alert ranges to be set, so you can know when there's a problem without constant checking.

G1 WiFi Gateway

Now the SensorPush G1 WiFi Gateway enables you to monitor your SensorPush sensors remotely from anywhere via the Internet!

With our included cloud service (no monthly fee), you'll have the full SensorPush experience, accuracy and ease of use, no matter where you are! Receive current conditions, alerts and even the full data history just as if you were monitoring locally.

It's perfect for keeping an eye on conditions at home or at a vacation property while you're away. Make sure your greenhouse, cigars or wine collection is safe while you're at work. Whatever the situation, when you need to monitor environmental conditions from afar, the SensorPush G1 WiFi Gateway has you covered.

THERMAPEN® ONE BLUE THERMOMETER

- ONE-second response time
- Waterproof to IP67
- Securely transmits data to your smart device **(Android or Windows)**
- SDK & technical integration support available

The new Thermapen ONE Blue combines the latest *Bluetooth*® wireless technology with the same high accuracy, precision and speed delivered by the Thermapen One. Simply connect to your host device (Android or Windows), probe the item to be measured and press the button to securely transmit your temperature data of up to 50 metres via a secure connection.

The casing is washable and includes Biomaster Antimicrobial Technology that reduces bacterial growth. The Thermapen One Blue is waterproof to IP67. The true temperature of a product can be tested in just ONE second.

The Thermapen One Blue includes a Dot Matrix Display which when paired with a remote device, will show items on the screen alongside the temperature value. Each item can include a text line, high/low temperature limit that gives the user instant, on-screen pass/fail feedback. **Please Note:** New display features only available when using the latest Software Development Kit.

The Thermapen One Blue incorporates a reduced tip, stainless steel penetration probe (Ø3.3 x 110 mm) that conveniently folds back through 180° into the side of the instrument when not in use.

A Software Development Kit (SDK) is available upon request to allow integrators to write custom apps to communicate with the Thermapen One Blue.

REMOTE MONITORING

Dot Matrix Display

New intuitive display showing item names, high and low limits and a visual PASS or FAIL indication.

AUTO OFF · IP67 · SDK AVAILABLE · Biomaster PROTECTED · 2 YEAR GUARANTEE · MADE IN BRITAIN

Specification	Thermapen One Blue
Range	-49.9 to 299.9 °C
Resolution	0.1 °C
Accuracy	±0.3 °C (-19.9 to 119.9 °C)
	±0.4 °C (-49.9 to 199.9 °C) otherwise ±1 °C
Bluetooth module	BLE 5.0
Battery	1 x 1.5 volt AAA
Battery life	500 hours (without backlight)
Sensor type	K thermocouple
Dimensions	19 x 50 x 157 mm
Weight	115 grams
FREE traceable certificate of calibration included	

Please note: BLE 5.0 thermometers have a range of 50 metres depending on the user's smart device make and model. Environmental conditions may also affect the signal strength.

THERMAPEN® IR BLUE THERMOMETER

- High accuracy - ideal for HACCP procedures
- Patented, automatic 360° rotational display
- Securely transmits data to your smart device **(Android or Windows)**
- Infrared target distance/diameter ratio 5:1

The new Thermapen IR Blue is two instruments in one compact unit.

Housed in a robust ABS case containing Biomaster Antimicrobial Technology that reduces bacterial growth. Simply connect to your host device (Android or Windows), probe or scan the item to be measured and press the button to securely transmit your temperature data via a secure connection of up to 50 metres.

A Software Development Kit (SDK) is available upon request to allow integrators to write custom apps to communicate with the Thermapen IR Blue.

- **Infrared thermometer**
  Simply aim the infrared thermometer at the target and press the scan button to display the surface temperature. **Please Note:** the infrared non-contact function will only measure when the probe is in the closed position.

  The Thermapen IR Blue thermometer incorporates a max/min temperature function accessed via the mode button (IR only). The distance to target ratio is 5:1, therefore the thermometer should be positioned as close to the target as possible. The default emissivity is 0.95 but can be adjusted via the host device.

- **Penetration probe**
  Opening the probe puts the instrument into probe mode, enabling you to take the core temperature of liquid and semi-solid foods using the fast response, stainless steel penetration probe (Ø3.3 x 110 mm). It will display the temperature in just 3 seconds. The probe conveniently folds back through 180° into the side of the instrument when not in use.

MAX/ MIN | AUTO OFF | 360° | SDK AVAILABLE | Biomaster PROTECTED | 2 YEAR GUARANTEE | MADE IN BRITAIN

Patented auto-rotating display

Specification	Thermapen IR Blue
Range - infrared	-49.9 to 349.9 °C
Range - probe	-49.9 to 299.9 °C
Resolution	0.1 or 1 °C/°F - user selectable
Accuracy - infrared	±1 °C (0 to 100 °C) otherwise ±2 °C or ±2 % of reading whichever is greater
Accuracy - probe	±0.4 °C (-49.9 to 199.9 °C) otherwise ±1 °C
Bluetooth module	BLE 5.0
Field of view	Target ratio 5:1
Emissivity	0.95 default - adjustable via remote device
Battery	2 x 3 volt CR2032 lithium coin cell
Battery life	1000 hours - continuous use
Display	12 mm (horizontal) & 10 mm (vertical) LCD
Dimensions	19 x 50 x 157 mm
Weight	125 grams
FREE traceable certificate of calibration included (probe & IR)	

Please note: BLE 5.0 thermometers have a range of 50 metres depending on the user's smart device make and model. Environmental conditions may also affect the signal strength.

THERMAPEN® BLUE THERMOMETER

- Reaches temperature in just 3 seconds
- Securely transmits data to your smart device **(Android or Windows)**
- Helps your business to be HACCP compliant
- Colour-coded ID for different applications

AUTO OFF | IP66/ IP67 | SDK AVAILABLE | Biomaster PROTECTED | 2 YEAR GUARANTEE | MADE IN BRITAIN

Specification	Thermapen Blue
Range	-49.9 to 299.9 °C
Resolution	0.1 °C via remote device
Accuracy	±0.4 °C (-49.9 to 199.9 °C)
	otherwise ±1 °C
Bluetooth module	BLE
Battery	1 x 1.5 volt AAA
Battery life	1000 hours - continuous use
Sensor type	K thermocouple
Dimensions	19 x 50 x 157 mm
Weight	112 grams
FREE traceable certificate of calibration included	

TEMPTEST® BLUE & 2 BLUE THERMOMETERS

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

The TempTest Blue & 2 Blue combines *Bluetooth*® wireless technology with high accuracy, precision and fast response. Simply connect to your host device (Android or Windows), probe the item to be measured and press the button to securely transmit your temperature data via a secure connection of up to 50 metres.

The thermometer is housed in a waterproof IP67 case with an ergonomic rubber seal, both include Biomaster Antimicrobial Technology to reduce bacterial growth. The TempTest Blue incorporates a stainless steel food penetration probe (Ø3.3 x 80 mm) with fast response tip. The true temperature of a product can be measured in just three seconds. The TempTest 2 Blue is supplied with a permanently attached interchangeable probe handle with a one metre coiled PU lead, allowing users to easily attach our range of plug mounted thermocouple probes.

A Software Development Kit (SDK) is available upon request to allow integrators to write custom Apps to communicate with the TempTest Blue.

292-910

292-950

- For alternative probes see page 9

- **Protective silicone boot**
  Protect your instrument against accidental damage by fitting a protective silicone boot. For details on the various colours available please visit our website.

Holster belt clip and wall bracket

AUTO OFF · IP67 · 360° · SDK AVAILABLE · Biomaster · 2 YEAR GUARANTEE · MADE IN BRITAIN

Specification	TempTest Blue & 2 Blue
Range	-49.9 to 299.9 °C
Resolution	0.1 °C/°F
Accuracy	±0.4 °C (-49.9 to 199.9 °C)
	otherwise ±1 °C
Bluetooth module	BLE
Battery	2 x 1.5 volt AAA
Battery life	1000 hours - continuous use
Sensor type	K thermocouple
Display	11 mm LCD
Dimensions	17 x 47 x 200 mm (inc. probe)
Weight	105 grams
FREE traceable certificate of calibration included	

Please note: Bluetooth LE thermometers have a range of 50 metres depending on the users smart device make and model. Environmental conditions may also affect the signal strength.

RAYTEMP® BLUE THERMOMETER

- Securely transmits data to your device **(Android or Windows)**
- Target distance/diameter ratio 5:1
- Time saving, paperless recordings
- FREE traceable certificate of calibration

Designed and manufactured in the UK, The RayTemp Blue infrared non-contact thermometer incorporates many of the features of the RayTemp 2, but with *Bluetooth*® wireless technology.

Simply connect to your host device (Android or Windows), press and hold the measure button and aim the thermometer at the target to display the surface temperature and securely transmit the data via a secure connection of up to 50 metres.

The unit incorporates a 5:1 optic ratio (target distance/diameter ratio) and therefore the thermometer should be positioned as close to the target as possible. The default emissivity is 0.95 but can be changed from 0.1 to 1, if required. The unit does not incorporate laser alignment, which will encourage users to get closer to the object being measured thus reducing inaccurate readings.

The RayTemp Blue features a two button keypad, incorporating measure and on/off function, and an auto-power-off facility that automatically turns the instrument off after 10 minutes, maximising battery life. Each unit is housed in a robust ABS case that contains Biomaster additive which reduces bacterial growth.

A Software Development Kit (SDK) is available upon request to allow integrators to write custom apps to communicate with the RayTemp Blue.

OPTIONAL ACCESSORIES:

- Protective silicone boot.
  Various colours are available - see our website.
- Stainless steel wall bracket (832-050)
  & white silicone boot (screws not supplied)

AUTO OFF · SDK AVAILABLE · Biomaster · 2 YEAR GUARANTEE · MADE IN BRITAIN

Specification	RayTemp Blue
Range	-49.9 to 349.9 °C
Resolution	0.1 °C/°F
Accuracy	±1 °C (0 to 100 °C) otherwise ±2 °C or
	±2 % of reading whichever is greater
Field of view	Target ratio 5:1
Bluetooth module	BLE
Emissivity	0.95 default - adjustable 0.1 to 1
Battery & life	3 x 1.5 volt AAA - 3000 hours
Display	12 mm LCD
Dimensions	25 x 56 x 128 mm
Weight	140 grams
FREE traceable certificate of calibration included	

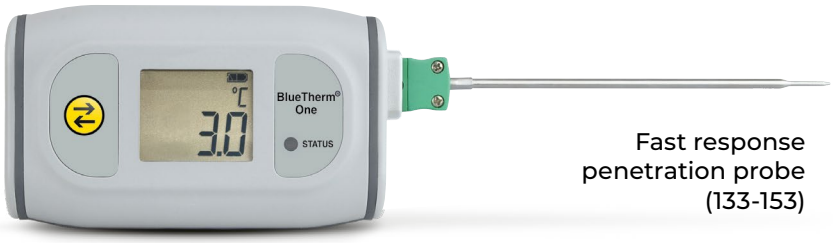
Please note: BLE thermometers have a range of 50 metres depending on the user's smart device make and model. Environmental conditions may also affect the signal strength.

BLUETHERM® ONE THERMOMETER

- Interchangeable thermocouple probes
- Fast & Accurate HACCP checks
- Water resistant to IP65
- SDK & technical support available

The BlueTherm One thermometer transmits temperature data to your Windows, Android or *Bluetooth*® wireless device via a secure connection of up to 50 metres. This thermometer is speci ically designed to eliminate the need for wires which often cause many traditional probes to break or fail.

Each unit is housed in an ergonomic case that incorporates a large LCD and a single LED which indicates Bluetooth connection status. A wide range of type K thermocouple probes can be connected to the unit, see below for a small selection or visit our website for a complete range.



Fast response penetration probe (133-153)

Available as a FREE download, the 'HACCP LE App' software reads the temperature and provides simple-to-set high and low alarms. This App includes programmable alerts and notifications to prompt changes and also logs data into a PDF report.

A Software Development Kit (SDK) is available upon request to allow integrators to write custom Apps to communicate with the BlueTherm One.

IP65 SDK AVAILABLE Biomaster 2 YEAR GUARANTEE MADE IN BRITAIN

Specification	BlueTherm One
Range	-199.9 to 1372 °C
Resolution	0.1 °C/°F to 999.9 thereafter 1 °C/°F
Accuracy	±0.4 °C ±0.1 % of reading
Bluetooth module	BLE
Battery & life	1 x 1.5 volt AA - 3000 hours
Sensor type	K thermocouple
Display	12 mm LCD
Dimensions	34 x 66 x 109 mm
Weight	165 grams

Please note: Bluetooth LE thermometers have a range of 50 metres depending on the users smart device make and model. Environmental conditions may also affect the signal strength.

THERMAQ® BLUE THERMOMETER

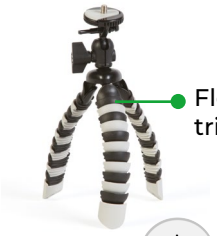
- Two channel type K input - dual monitoring
- FREE ThermaQ® App for **Android** & **Windows**
- Log & graph temperature changes
- Programmable high/low alarms

Crocodile clip oven probe (133-041)

The ThermaQ Blue thermometer is designed to monitor temperatures remotely. Transmitting temperature data to your Android, Windows or *Bluetooth*® wireless device via a secure connection of up to 50 metres.

Each unit is housed in a water resistant, ergonomic case and incorporates a backlit LCD and 2 LED's which indicate alarm status over the entire range of -199.9 to 1372 °C. For ThermaQ Blue probes, see below for a small selection or visit our website for a complete range.

Available as a FREE download, the 'ThermaQ App' software reads two temperatures and provides simple-to-set high and low alarms. The 'ThermaQ App' can export saved data for further analysis as an Excel (.csv) file. A Software Developer Kit (SDK) is available upon request to allow integrators to write custom Apps to communicate with the ThermaQ Blue.



Flexible tripod

Protective silicone boot

IP65

SDK AVAILABLE

Biomaster

2 YEAR GUARANTEE

MADE IN BRITAIN

Specification	ThermaQ Blue
Range	-199.9 to 1372 °C
Resolution	0.1 °C/°F to 999.9 thereafter 1 °C
Accuracy	±0.4 °C ±0.1 % of reading
Bluetooth module	BLE
Battery & life	1 x AA - 4000 hours
Sensor type	K thermocouple
Display	12 mm LCD
Dimensions	34 x 66 x 109 mm
Weight	172 grams

Please note: Bluetooth LE thermometers have a range of 50 metres depending on the users smart device make and model. Environmental conditions may also affect the signal strength.

DISHTEMP® BLUE DISHWASHER THERMOMETER

- Simulates maximum plate surface temperatures
- Waterproof to IP66
- HACCP compatible
- FREE traceable certificate of calibration

The DishTemp Blue Dishwasher Thermometer transmits temperature data to your Windows, Android or Bluetooth wireless device via a secure connection of up to 6 metres.

Specifically designed to save time, paper and eliminate human error when recording temperature cycles. The DishTemp Blue simulates a plate as it's cleaned and sanitised in a commercial dishwasher, accurately recording the maximum surface temperature at the touch of a single button, eliminating the need for costly and inaccurate test strips and stem thermometers that do not stay in place or record the surface temperature of a plate.

Built to survive daily use in professional kitchens, the DishTemp Blue dishwasher thermometer indicates temperature over the range of 0 to 90 °C with a resolution of 0.1 °C/°F and an accuracy of ±0.5 °C.

Incorporating a durable water-tight seal, the DishTemp Blue is supplied complete with a FREE 1-point traceable certificate o calibration.

Stainless steel wall bracket (832-280)

IP66 SDK AVAILABLE

Specification	DishTemp Blue
Range	0 to 90 °C
Resolution	0.1 °C/°F
Accuracy	±0.5 °C
Bluetooth module	BLE
Battery	3 volt CR2032 lithium coin cell
Battery life	40 hours
Display	Custom LCD
Dimensions	14 x Ø127 mm
Weight	120 grams

Please note: Bluetooth LE thermometers have a range of 50 metres depending on the users smart device make and model. Environmental conditions may also affect the signal strength.