

## GUARANTEE

The ThermoQ Blue carries a two-year instrument guarantee against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of ThermoWorks, be either repaired or replaced without charge. The product guarantee does not cover damage caused by fair wear and tear, abnormal storage conditions, incorrect use, accidental misuse, abuse, neglect, misapplication or modification. Full details of liability are available with ThermoWorks' Terms & Conditions of Sale at [www.thermoworks.com](http://www.thermoworks.com). In line with our policy of continuous development, we reserve the right to amend our product specification without prior notice.

## INSTRUMENT RECORD CARD

Model

Order Code



ThermaQ Blue

292-921

Serial no. \_\_\_\_\_

Calibrated by \_\_\_\_\_ Date \_\_\_\_\_

	32°F (0°C)	212°F (100°C)

This instrument has been checked or calibrated against reference instrument(s) calibrated by a UKAS Accredited Calibration Laboratory, which are traceable, via International Agreement, to all major National Standards, including NIST.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by ThermoWorks is under license.

Google Play and the Google Play logo are trademarks of Google Inc. Android is a trademark of Google Inc.

Apple, the Apple logo, iPhone, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc., registered in the U.S. and other countries.

iOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.

For warranty, service, and technical assistance, please contact ThermoWorks' Technical Support at (801) 756-7705 or email at [techsupport@thermoworks.com](mailto:techsupport@thermoworks.com).



## ThermoWorks

ThermoWorks, Inc.  
Utah, U.S.A.

Ph: 801-756-7705 Fax: 801-756-8948  
[www.thermoworks.com](http://www.thermoworks.com)

547-901 / 16.03.17



# ThermoWorks

## ThermaQ® Blue

With Bluetooth® LE  
Wireless Technology



## Operating Instructions

## INSTRUMENT OPERATION

Connect the probe(s) via the miniature thermocouple socket(s) located on the end of the instrument. Apply the tip of the probe to the substance, medium or surface to be measured. The instrument reading may take several seconds to stabilize, depending on the nature of the measurement and sensitivity of the probe.

## BUTTON FUNCTIONS

### Transfer/On-Off button



ON - Press to switch the instrument on.

OFF - Hold down for 3 seconds to switch off.

MEASURE/TRANSFER - Press to measure and transfer result via Bluetooth (if connected).



Turns backlight on for 10 seconds.

## ALARMS

The default setting is off. The high/low alarms can be switched on/off and adjusted through the ThermaQ App. The current alarm status is indicated by the instruments display and status LED.

## SENSORS

Only use type K (Nickel Chromium/Nickel Aluminium) thermocouple probes (to BS EN 60584-1:2013) fitted with suitable miniature type K thermocouple plugs.

## TEMPERATURE MEASUREMENTS

The instrument measures its inputs at a set measurement interval and displays the value in °C or °F. If Sensor 2 is switched on, the display will alternate between the two sensor readings every 5 seconds with 'Sen 1' & 'Sen 2' indicating which sensor reading is currently being displayed.

## CONNECTION

Use a Bluetooth® Low Energy 'Smart or Smart Ready' iOS™ or Android™ host device with the ThermaQ App installed to make connections to the instrument. The ThermaQ App can be downloaded free from the App Store (Apple® devices) or on Google Play™ (Android devices). For full device compatibility visit [www.thermoworks.com](http://www.thermoworks.com). Open the ThermaQ App and connect to the device via the Devices screen, use the instrument's serial number to select the correct device from the list. Once connected the ThermaQ App will begin receiving and storing measurement data.

**Please note: When not connected the instrument continues to measure using its current settings but no readings are stored in the instrument.**

## SETTINGS

Adjustable via the ThermaQ App include: °C or °F, Measurement Interval, Auto-off Interval, Sensor Name(s) and High/Low Alarm levels. Sensor 2 can be set on/off. All settings are stored in the instrument and are downloaded to the ThermaQ App on connection.

## AUTO-OFF

If the instrument is not connected to Bluetooth within the set Auto-off interval, it will shut down. This function can be switched off via the ThermaQ App.

## ALARM STATUS LED

A red flash indicates a temperature is in an alarm condition and a green flash indicates the temperatures are within the set alarm levels. The LED flashes every measurement whether connected via Bluetooth or not.

## OPEN CIRCUIT/FAULTY PROBE

If the probe has developed an 'open circuit' fault or is not present the instrument will display 'Err'.

## BATTERY STATUS

This is indicated by the ThermaQ App and the instrument's display using the battery symbol. When the battery level falls below a safe level the instrument displays 'Flat bat' before shutting down.

## BATTERY REPLACEMENT

Unscrew the 4 screws located on the back of the instrument and remove rear case. This can be difficult especially after a long period but if done gradually at each corner the case will come apart. Replace the AA battery noting polarity. Refit rear case and refit screws taking care not trap/pinch the seal. Tighten the screws evenly but do not overtighten as this will affect the instrument water resistance.

## WARNING

IPA and other solvents may cause damage to the case and screen of this instrument.

## RADIO CERTIFICATIONS

*This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:*

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

*This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.*

*Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

*Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.*

*Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.*