

## GUARANTEE

The BlueTherm One 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/product-warranty](http://www.thermoworks.com/product-warranty). In line with our policy of continuous development, we reserve the right to amend our product specification without prior notice.



# ThermoWorks

## BlueTherm™ One

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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)

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## Operating Instructions

## INSTRUMENT OPERATION

Connect a probe via the miniature thermocouple socket 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

### Transmit/On-Off button



ON - Press to switch the instrument on.

OFF - Hold down for 3 seconds to switch off.

MEASURE/TRANSMIT - Press to measure and transmit result via *Bluetooth*<sup>®</sup> wireless technology (if connected).

## ALARMS

The default setting is off. The high/low alarms can be switched on/off and adjusted through the HACCP LE App.

## 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.

## CONNECTION

Use a *Bluetooth*<sup>®</sup> enabled iOS or Android™ host device with HACCP LE installed to connect to the instrument. HACCP LE can be downloaded free from the Apple App Store or on Google Play™. Open HACCP LE and connect to the device via the Devices screen, use the instrument's serial number to select the correct device from the list. When connecting/disconnecting, the instrument's amber light flashes rapidly 5 times. Once connected, HACCP LE will begin receiving and displaying 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 HACCP LE App include: °C or °F, Measurement Interval, Checklist items with high/low alarms.

## AUTO-OFF

If the instrument is not connected to a phone/tablet within the set Auto-off interval, it will shut down.

## STATUS/TRANSFER LED

When connected to a phone/tablet an amber LED flashes every 10 seconds or when the button is pressed.

## 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 HACCP LE 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 rear 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.*