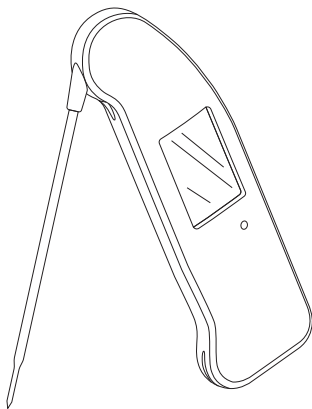


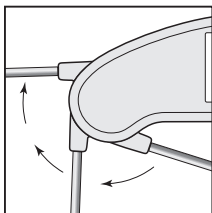
Thermapen® ONE

Operating Instructions



Congratulations

Thermapen ONE is a precision thermometer used for many applications, including cooking. With proper care, it will offer accurate measurements for many years. Thermapen ONE includes several new features, including: one-second response time and increased accuracy.



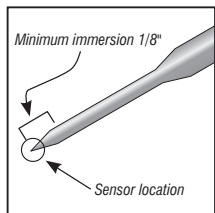
Rotating hub

Instrument Operation

The instrument is switched on by unfolding the thermocouple probe until the display comes on. Conversely, the instrument is turned off by folding the probe away and lightly pressing the tip into the rubber probe retainer located at the bottom rear of the instrument. It is recommended to store the probe in the closed position when not in use.

Do not force the probe further than 180° when opening or damage to the rotating hub may occur.

The micro-thermocouple sensor is located at the tip of the probe shaft. Minimum immersion is only 1/8" (3 mm). For best results, immerse or penetrate the probe into the food item so the probe tip is in the place you want to measure. In food, this should normally be at the center of the thickest part.



Probe Tip

Thermapen ONE will read to within 1°F of the actual temperature of an ice bath within one second. Reading times in other foods may vary slightly.

Do not immerse the probe all the way to the plastic rotating hub. Avoid getting flour, moisture, or oil on the hub itself. Although there is an O-ring seal, oils can work their way past the seal and accumulate inside the hub and may cause failure. The probe tip is sharp. Use caution to avoid injury. Do not "stab" the material to be measured. Use steady force to penetrate meats or semi-solids. Avoid bone. Do not lift or flip heavy meats with the probe tip. The probe shaft is hollow and contains a sensor. If bent, it may fail.

Instrument Configuration

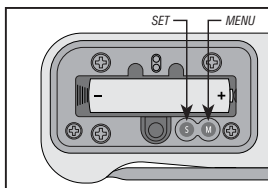
You can personalize your Thermanen ONE by changing several factory default settings including:

Temperature display from °F to °C

Display resolution from 1° to 1.0°

Screen Rotation

Auto-Off/Sleep Mode



To change any of these settings, loosen the battery cover screw using a Phillips screwdriver and remove the battery cover. Open the probe to turn the unit on. Thermanen ONE has two small buttons inside the battery compartment: MENU, which is used to enter, save settings, and exit the menu; and SET, which is used to select desired settings. Settings are saved once 'END' is displayed at the end of the menu options. To abort settings, close the probe. Press the MENU button to cycle through the following settings:

Temperature Display Units, °F to °C

Press the MENU button until 'C or F' is displayed. Press SET to toggle between '°F' and '°C' as displayed in the upper right hand corner of the display. When the selection is complete, press MENU to store setting.

Display Resolution, 1° to 1.0°

Press the MENU button until the current resolution setting '0.1°' or '1°' is displayed. Press SET to toggle between '0.1°' and '1°'. When the selection is complete, press MENU to store setting.

Screen Rotation

Press the MENU button until 'DISPLAY' is shown at the top of the display. Press SET to select '360°' for full 4-way rotation, '180°' for 2-way rotation (horizontal only), or choose to lock the display in a specific orientation when 'Loc' is displayed. Press MENU to store the rotation setting.

Auto-Off/Sleep Mode

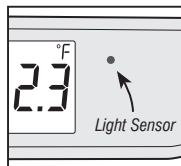
Press the MENU button until 'SLEEP' is shown at the top of the display. Press the SET button to step through the sleep interval settings from '10' seconds to '180' seconds in 10-second intervals, or to turn the sleep function 'off.' Press MENU to store the sleep interval and the instrument will enter sleep mode at the specified number of seconds without movement detected. END will flash momentarily to show that all settings are saved.

Note: When the probe is open and the instrument is in sleep mode, any motion detected by the Thermanen will conveniently wake the instrument and turn it back on.

When you are done adjusting settings, replace the battery cover and tighten the battery cover screw with a Philips screwdriver. Do not overtighten.

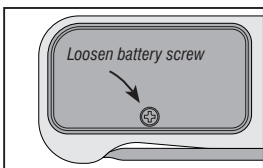
Intelligent Backlight

When the Thermanen ONE is turned on, a light sensor (small round window located just to the right of the main display) continuously monitors ambient light levels. As it gets darker, the intelligent backlight comes on automatically to read the digits in any light condition. Covering the light sensor will also turn on the backlight except in well-lit areas. The backlight will remain on for a minimum of 10 seconds. If the instrument is displaying the low battery symbol, the backlight brightness will be reduced to prolong battery life.

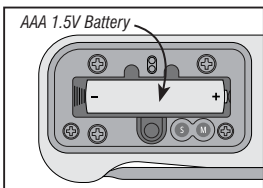


Batteries

Each instrument includes one pre-installed AAA (1.5V) battery located inside the sealed battery compartment. An illuminated battery symbol () in the LCD display indicates that the battery should be replaced soon. The instrument will continue to measure accurately, but it is recommended to replace the batteries immediately (in low battery condition, the backlight brightness will be reduced to prolong battery life). Once the battery is too low to display readings, the display will be replaced with 'Flat' then 'Bat' and then shut down. To continue using the instrument, replace the battery.



Battery Cover



Replacing the Battery

The battery is pre-installed on your new Thermapen ONE and should last up to 2,000 hours. Should you need to replace the battery, loosen the battery cover screw using a Phillips screwdriver to remove the battery cover. Replace with a single AAA battery noting the polarity. Tighten the battery cover screw until the battery cover is snug onto the seal. Do not overtighten.

Cleaning and Maintenance

To avoid potential bacteria growth and cross-contamination, wipe the probe after each use and regularly clean the entire Thermapen ONE body. Oils and grease should be wiped off the body and the rotating hub. We recommend sanitizing wipes or a damp paper towel with an anti-microbial cleaning solution. Protected from dust and immersion in water to 39" depth for up to 30 minutes. The probe should not be rotated while the body is submerged or under a stream of water. Protect the plastic body from high temperatures. **DO NOT LEAVE THE THERMAPEN ONE IN AN OVEN OR ON A HOT SURFACE.** Not dishwasher safe.

Warning

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

Error Messages

- 'Lo' is displayed if measurements are being made below the instrument range.
- 'Hi' is displayed if measurements are being made above the instrument range.
- 'Err' is displayed if the probe develops a fault. Call for details.

For all other error messages, contact ThermoWorks' Technical Support at 1-800-393-6434 or techsupport@thermoworks.com.

What is NSF Certification?

The NSF mark indicates that the design, materials, production process, and quality controls used in the production of Thermapen ONE have been verified and certified for food safety by NSF International, an independent standards organization.

Biomaster

Biomaster is a silver-based antimicrobial additive that is molded directly into the plastic housing that becomes an integral part of the product to prevent bacteria growth on its surface. The controlled release of the active ingredient provides maximum antimicrobial protection for the life of the product. When bacteria come into contact with a Biomaster protected surface, the silver ions prevent them from growing, producing energy or replicating, therefore they die, inhibiting degradation, discoloration or odors. Biomaster is an additional line of defense between cleanings.*

NIST-traceable Calibration Certificate

Your calibration certificate is a document showing that your very own ThermoPen ONE is in compliance with key industrial regulations and that its performance meets certain key standards for high performance. This means that your ThermoPen ONE was tested in our calibration lab and those measurements taken are traceable by an unbroken, documented chain of calibrations to the National Institute of Standards and Technology (NIST).

Repair Services

ThermoWorks offers a full repair service for any ThermoPen ONE damaged for any reason. Contact Technical Support at 1-800-393-6434 or email techsupport@thermoworks.com.

Additional Technical Information

For more information on using ThermoPen ONE, consult the included Guidebook and visit our blog and Help Center for helpful tips and videos at www.thermoworks.com/blog and help.thermoworks.com.

Product Warranty

ThermoPen ONE carries a full five-year warranty against defects in either components or workmanship. During this period, any ThermoPen ONE that proves to be defective will, at the discretion of ThermoWorks, be either repaired or replaced without charge. Full details of liability are available within ThermoWorks' Terms & Conditions of Sale at www.thermoworks.com/product-warranty.

ThermoPen ONE Accessories (available at www.thermoworks.com)



**PROTECTIVE
LEATHER WALLET**
Model: 830-110-LX



**PROTECTIVE
ZIPPER WALLET**
Model: 830-001



**WALL MOUNT
BRACKET**
Model: 10203



**MAGNETIC
GLOW-IN-THE-DARK
SILICONE BOOT**
Model: 830-455



ThermoWorks

Utah, U.S.A.

Phone: 801-756-7705

Fax: 801-756-8948

www.thermoworks.com



Made in the UK



*Biomaster does not protect the user from disease causing organisms and is not a substitute for good hygiene and/or cleaning.

Copyright by ThermoWorks, Inc. Content may not be used in whole or in part without written consent.

ThermoWorks, the ThermoWorks logo and Super-Fast are registered trademarks of ThermoWorks, Inc. ThermoPen is a registered trademark of ETI, Ltd. ThermoWorks is the exclusive distribution partner of ETI, Ltd. in North America. All rights reserved.