

## SPECIFICATIONS

<b>Range</b>	-94.00 to 392.00°F (-69.99 to 199.99°C)
<b>Resolution</b>	0.01° or 0.1° - user selectable
<b>Accuracy</b>	±0.10°F (±0.05°C) from 32 to 212°F (0 to 100°C), otherwise ±0.36°F (±0.2°C)
<b>Sensor Type</b>	1/3 DIN Thin Film PT100 to BS EN 60751 (4 wire)
<b>Probe</b>	4.25 L x 0.125 inches dia. (108 L x 3.3mm dia.)
<b>Auto-Off</b>	10 minutes - user selectable
<b>Environmental Range</b>	32 to 122°F (0 to 50°C)
<b>Battery</b>	2 x 3 volt CR2032 lithium coin cell, 1000 hours
<b>Display</b>	0.83 H x 1.89 W inches (21 H x 48 W mm) LCD
<b>Dimensions</b>	6.1 H x 1.85 W x 0.75 D inches (153 H x 47 W x 19 D mm)
<b>Weight</b>	0.22lb. (100g)
<b>Calibration</b>	UKAS Accredited Certificate included

## ACCESSORIES/RELATED ITEMS



**Stainless Steel  
Wall Bracket**  
(THS-830-002)



**Wall Bracket**  
(10203)



**Protective  
Silicone Boot**  
(THS-830-260)

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).



P-12-001-024



**ThermoWorks**

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Made in the UK



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**ThermoWorks**

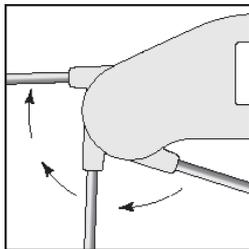
**Reference  
Thermopen®**



Operating Instructions

## INSTRUMENT OPERATION

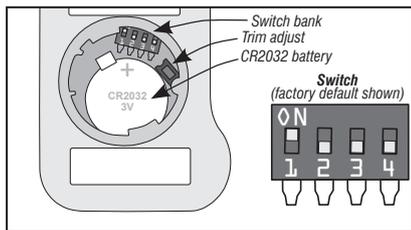
Reference ThermoMapen is switched on by unfolding the probe until the display shows the temperature. The instrument is turned off by folding the probe back into the side of the instrument. The probe should not be rotated more than 180 degrees as damage will occur. It is recommended to store the probe, in the closed position, when not in use.



Apply the probe to the substance to be measured. For optimum accuracy immerse at least 2.75" (70mm) of the probe in the substance. DO NOT immerse the probe all the way to the plastic rotating hub. The probe should be allowed adequate time to stabilize to the temperature of the item to be measured.

## INSTRUMENT CONFIGURATION

Reference ThermoMapen has four user selectable slide switches (switch bank), adjustable with a paperclip, and a single push button 'Trim Adjust' which is located under the battery cover.



**Switch 1 - Display Units** - Changes display units between °F (factory default) and °C. To change to °C push the switch toward the batteries.

**Switch 2 - Resolution** - To change the resolution from 0.01°F (factory default) to 0.1°F push the switch away from the batteries.

**Switch 3 - Auto-off** - To disable the auto-off (factory default – 10 minutes) push the switch away from the batteries.

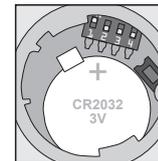
**Switch 4 - Reading Trim** - For normal use, we do not recommend using the 'Trim Adjust'. For further details visit [www.thermoworks.com](http://www.thermoworks.com).

## INSTRUMENT CLEANING

Clean the instrument regularly with an anti-bacterial probe wipe to avoid potential bacterial growth.

## BATTERY REPLACEMENT

A battery symbol  indicates that the batteries will need replacing. The instrument continues to measure accurately but we recommend that the batteries be changed as soon as possible. To replace the batteries, remove the battery cover using a coin (U.S. quarter works best). Remove the batteries by pulling the battery retaining clip back while holding the unit upside down. Replace both batteries, positive side up, replace cover.



## ERROR MESSAGES

'Err' will be displayed if the probe develops a fault. If the error message remains, contact ThermoWorks Tech Support for further assistance.

## EMC/RFI

Instrument performance may be affected if operated within a high frequency radio field, such as near a mobile phone, or if subjected to an electrostatic shock.

## WARNING

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

## GUARANTEE

This instrument carries a two-year warranty 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. This warranty does not apply to probes, where a six-month period is offered. Full details of liability are available within ThermoWorks' Terms & Conditions of Sale at [www.thermoworks.com/product-warranty](http://www.thermoworks.com/product-warranty).