

# PITTSBURGH 93983 OWNER'S MANUAL & SAFETY INSTRUCTIONS



# Owner's Manual & Safety Instructions

**Save This Manual** Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

# ***PITTSBURGH***

**ITEM 93983**

## ***Non-Contact Pocket Thermometer***



Visit our website at: <http://www.harborfreight.com>

Email our technical support at: [productsupport@harborfreight.com](mailto:productsupport@harborfreight.com)

REV 14c

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

### **⚠ WARNING**

**Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.**

## Specifications

Measurement Range	-27° – 230° F
Operating Temperature	14° – 122° F
Resolution	0.1° F; 0.01 second
Accuracy (at 68° to 78° F ambient)	±2%, ±4° F <b>Readings may be affected if within an electromagnetic field.</b>
Field of View	1:1
Emissivity	0.95
Battery	one CR2032 lithium cell (included)
Battery Life	40 hours

## Important Safety Information

### Use Precautions

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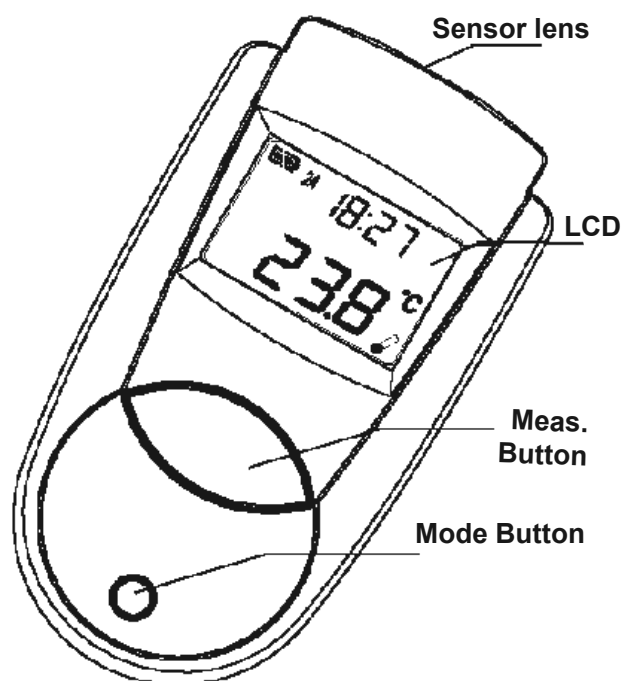
1. Do not use for food safety or medical applications.
2. This product is not a toy. Do not allow children to play with this item.
3. Use as intended only.
4. Inspect before every use; do not use if parts loose or damaged.
5. Contains button cell battery. Keep out of reach of children. Discard used batteries immediately. Do not allow children to play with this device.
6. Risk of Fire and Burns. Do Not Open, Crush, Heat or Incinerate battery. Dispose of internal battery properly in accordance with applicable law.
7. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

### Service Precautions

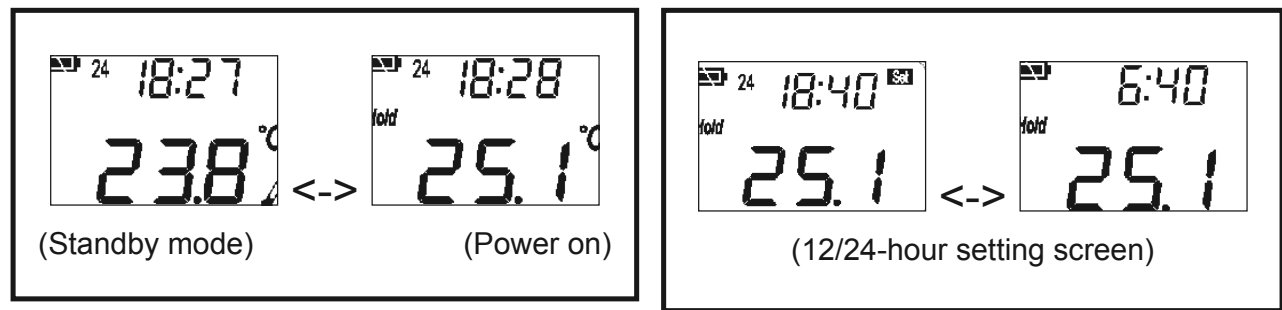
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1. Wear ANSI-approved safety goggles and heavy-duty work gloves when replacing battery.

## Controls



## Clock Setup



**Note:** The display will go to standby mode and show the current time and room temperature after use if the clock is set. If the clock is not set, the display will shut off after use, conserving battery power.

1. Press "Meas."
2. Press "Mode" six times and the "Set" icon starts to flash, indicating setup mode.
3. Press "Meas." to make the "24" icon flash, which indicates the 12/24-hour setting screen. Press "Meas." again to set 12/24-hour Format from 24-hour to 12-hour.
4. Press "Mode" to switch to hour setting. Use "Meas." to change it.
5. Press "Mode" to switch to minute setting mode. Use "Meas." to change it.
6. Press "Mode" when complete.
7. To disable standby mode and enable the automatic shutoff, remove the battery for at least a minute and do not set the clock after replacing the battery.

## Temperature Unit Setup

1. Press "Meas." once to turn the unit on.
2. Press "Mode" five times and the temperature unit icon starts to flash (either °C or °F).
3. Press "Meas." to toggle the unit between °C and °F.
4. Press "Mode" when complete.

# Thermometer Operation

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**Note:** The Distance to Spot size ratio is 1:1. Make sure the target area is within the field of view.

**Note:** Applications include Water, Milk, Cloth, or Skin (non-medical, for entertainment only).

## Normal Mode

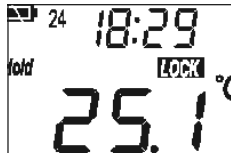
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1. Make sure the sensor lens is clean and undamaged.
2. Press "Meas." once to turn the unit on.
3. When you press "Meas.", you will get the temperature immediately. If you hold down "Meas.", the reading of measurement will be continuously updated.
4. Device will automatically power off/standby if left idle for more than 15 seconds.

## Lock Mode

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1. Make sure the sensor lens is clean and undamaged.
2. Press "Meas." once to turn the unit on.
3. Press "Mode" three times and the unit will display the LOCK icon, shown right.
4. Press "Meas." to confirm and start continually reading temperature.
5. The thermometer will continue measuring temperatures up to an hour, or until "Meas." is pressed again.



## Minimum / Maximum Reading Mode

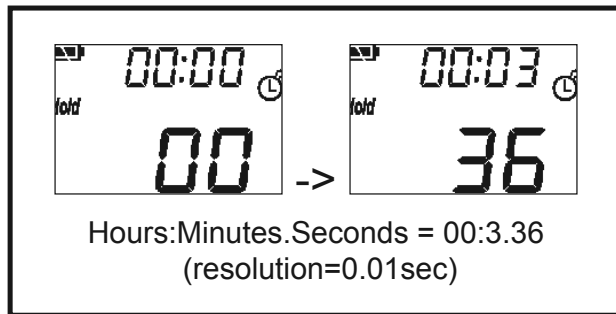
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1. Make sure the sensor lens is clean and undamaged.
2. Press "Meas." once to turn the unit on.
3. Press "Mode" once for Minimum (MIN) mode or twice for Maximum (MAX) mode. The display will show the icon for the mode chosen (MIN/MAX).
4. Press "Meas." to confirm.
5. Press "Meas." to start reading temperature. The display will only show either the lowest or highest temperature read, depending on the mode.
6. Device will automatically power off/standby if left idle for more than 15 seconds.

## Timer Operation

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1. Press "Meas." once to turn the unit on.
2. Press "Mode" four times and the "count" icon starts to flash.



3. To start or stop timer, press "Meas.". To reset the timer, press "Mode" with the timer stopped.
4. Press "Mode" again to exit the timer mode.

**Record Serial Number Here:** \_\_\_\_\_

**Note:** If product has no serial number, record month and year of purchase instead.

**Note:** Replacement parts are not available for this item.

## Maintenance

1. Keep the sensor lens clean using a soft cloth or cotton swab dipped in water or rubbing alcohol. Allow the lens to dry fully before use.
2. Storage temperature: -4° – 149° F

## Battery Replacement

1. If the display appears as above, the battery is too low to allow further operation.
2. Allow the unit to turn off or go to standby mode. **The device may malfunction if the battery is removed while on.**
3. Turn open the cover on the rear of the thermometer.
4. Replace with another CR2032 battery in the same orientation.

## Troubleshooting

Icon	Problem		Icon	Problem	
	Temperature above 230° F.			Other error message.	
	Temperature below -27° F.			Unit will not shut off. Notice LOCK icon in center of example screen.	If
	Ambient temperature changing too rapidly for accurate reading.			Unit will not shut off. Notice thermometer in lower right corner of example screen.	If
	Ambient temperature outside 14° F to 122° F range.				



## Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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