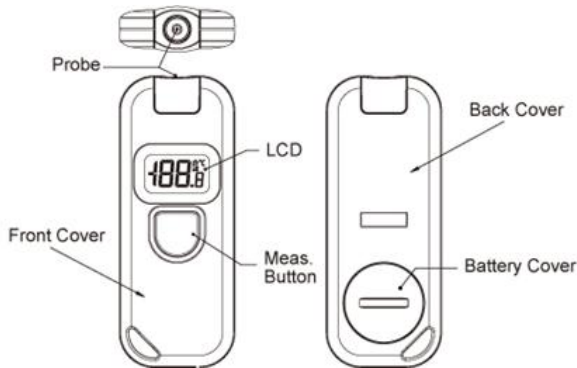


LA CROSSE® TECHNOLOGY

Model 914-604 Infra-red thermometer



Congratulations on your purchase of the Infrared Thermometer! One-click for a temperature reading.

No surface contact required, prevents contamination.

Take a Measurement:

Place the thermometer close to the item to measure.

Click the button once to measure the surface temperature. The reading will display for 15 seconds.

Hold the button for ongoing readings.

Auto Shut Off:

When the button has not been pressed for 15 seconds, the thermometer will automatically shut off to save power.

Note: When measuring temperatures above 199.9 °F the last number will be smaller, due to LCD size. Example: 205 °F will show as 20s.

Applications:

- Check doors and windows for drafts.
- Maintain proper cooking, cooling and holding temperatures.
- Measure food or liquid temperature (no contact, thus no contamination)
- Measure oven, stove & grill temperatures up to 390.2 °F.
- Check heating & cooling ducts, in-floor heating and furnace temperatures.
- Measure engine exhaust, tires and hard to reach areas

Description of measuring principle

When making a temperature measurement, the surface radiation of the object measured is evaluated, using the principle of radiation thermometry. This is a purely passive process, i.e. no radiation is transmitted, but instead, use made of the natural electromagnetic radiation energy (heat radiation). Everything above a temperature of absolute zero (-459.67 °F) has heat radiation.

D/S Ratio: The distance to target diameter ratio (Distance: Spot) is 1:1 therefore the device should be positioned as close to the target as possible. As you move farther from the target, you will receive ambient temperature around the target.

Measuring Tips:

- Not recommended for use in measuring shiny or polished metal surfaces (stainless steel, aluminum, etc.) The reading will not be accurate.
- It is not possible to take measurements through transparent materials (glass, Plexiglas, etc.). It will measure the temperature of the transparent surface instead.
- It is not possible to measure air temperatures.
- Measurement errors can occur due to air contaminated with dust, steam, smoke, etc.

Battery Replacement:

Battery is low and no more measurements are possible. Replace the battery immediately with a **CR2032** lithium button cell.

- 1- Power off the thermometer before replacing the battery
 - A malfunction may occur if the power is on during battery replacement. If a malfunction occurs, restart the device.
- 2-Twist the battery cover on the back of thermometer to loosen the cover and remove the old battery. A coin will work well.
- 3- The new CR2032 battery is installed positive side up.
 - Take care that the metal contacts at the top of the battery compartment are not bent.



- 4-Replace the battery cover and tighten.

Troubleshooting:

Problem	Solution
<u>No Display:</u>	Press the button Ensure battery polarity is correct Change the battery
<u>Display "oFF":</u>	Automatic switch off (15 seconds)
<u>Display "Hi":</u>	Temperature is above 390.2 °F
<u>Display "Lo":</u>	Temperature below -27.4 °F

Caution!

- Do not aim too close at hot or dangerous targets.
- Keep the thermometer and battery away from children.
- Batteries can explode if thrown into fire, short-circuited, taken apart or recharged.
- Battery can be fatal if swallowed. If a battery has been swallowed, get medical attention immediately.
- Batteries contain harmful acids. Change low batteries as soon as possible to prevent damage caused by a leaking battery.
- Wear chemical resistant protective gloves and safety glasses when changing the battery.

Care and Maintenance:

- Do not place the instrument near extreme temperature, vibration or shock.
- Protect the unit from large abrupt temperature changes.
- Do not store near objects of high temperature.
- Do not immerse the unit in water. Water can penetrate and cause malfunction. Protect from moisture.
- Steam, dust, some can prevent accurate measurement by obstructing the units optics.

- Protect the unit from EMI (Electro Magnetic Interference) from induction heaters and microwave ovens and static discharge.
- Unauthorized repairs, modifications or changes to the unit are prohibited.
- This product is not for medical purpose or for public information, but is intended for home use. The product is not recommended for taking body temperature.

Cleaning:

- The sensor lens is the most delicate part of the thermometer. Protect from dirt.
- Clean the unit using only a dry cloth. If the unit is very dirty, slightly dampen the cloth. Make sure that no moisture enters the interior of the unit.
- When cleaning the lens, loose particles must be removed using compressed air. Any remaining dirt can be removed with a soft brush or with a cotton swab moistened with water.
- CAUTION Do not use cleaners containing solvents.
- Remove the battery if you do not use the product for a lengthy time.

Specifications:

Measurement Range:	-27.4 °F to 390.2 °F
Operating Range:	32 °F to 122 °F
Storage Range:	-4 °F to 149 °F
<u>Accuracy</u> (Ambient Temperature 68 °F to 79 °F):	
From -27.4°F to 32°F:	+/- (4.5 + 0.1/deg) °F
Above 32°F:	+/(4.5°F or 2.5% whichever is greater)
Resolution:	(-9.9°F to 199.9°F) 0.5 °F , otherwise 1 °F
Response Time (90%):	1sec
Emissivity Range:	0.95 fixed
Auto switch-off:	15 seconds

Warranty Information:

La Crosse Technology, Ltd provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship. This limited warranty begins on the original date of purchase, is valid only on products purchased and used in North America and only to the original purchaser of this product. To receive warranty service, the purchaser must contact La Crosse Technology, Ltd for problem determination and service procedures. Warranty service can only be performed by a La Crosse Technology, Ltd authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to La Crosse Technology, Ltd or La Crosse Technology, Ltd's authorized service center.

La Crosse Technology, Ltd will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of La Crosse Technology, Ltd and must be returned to La Crosse Technology, Ltd.

Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer. La Crosse Technology, Ltd will pay all expenses for labor and

materials for all repairs covered by this warranty. If necessary repairs are not covered by this warranty, or if a product is examined which is not in need or repair, you will be charged for the repairs or examination.

The owner must pay any shipping charges incurred in getting your La Crosse Technology, Ltd product to a La Crosse Technology, Ltd authorized service center.

Your La Crosse Technology, Ltd warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (including the lack of reasonable and necessary maintenance); (2) damage occurring during shipment (claims must be presented to the carrier); (3) damage to, or deterioration of, any accessory or decorative surface; (4) damage resulting from failure to follow instructions contained in your owner's manual; (5) damage resulting from the performance of repairs or alterations by someone other than an authorized La Crosse Technology, Ltd authorized service center; (6) units used for other than home use (7) applications and uses that this product was not intended or (8) the products inability to receive a signal due to any source of interference.

This warranty covers only actual defects within the product itself, and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on misrepresentation by the seller or performance variations resulting from installation-related circumstances. LA CROSSE TECHNOLOGY, LTD WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF THIS PRODUCT. THIS PRODUCT IS NOT TO BE USED FOR MEDICAL PURPOSES OR FOR PUBLIC INFORMATION. THIS PRODUCT IS NOT A TOY. KEEP OUT OF CHILDREN'S REACH.

This warranty gives you specific legal rights. You may also have other rights specific to your State. Some States do not allow the exclusion of consequential or incidental damages therefore the above exclusion of limitation may not apply to you.

For warranty work, technical support, or information contact:

La Crosse Technology

2817 Losey Blvd. S.
La Crosse, WI 54601

Customer support : www.lacrossetechnology.com/support

Contact Support: 1-608-782-1610

Product Information:

www.lacrossetechnology.com/914-604



Product Registration:

www.lacrossetechnology.com/support/register.php



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