

914-604 FAQs



The links below will work in most PDF viewers and link to the topic area by clicking the link. We recommend Adobe Reader version 10 or greater available at:

<http://get.adobe.com/reader/>

TABLE OF CONTENTS

914-604 FAQs.....	1
Batteries.....	1
Messages	1
How to select Fahrenheit/Celsius.....	1
Accuracy.....	2
Can this cause radiation contamination.....	2
Thermometer shows dashes	2
Thermometer is blank	2
Thermometer is missing segments (all or part of a number is missing)	2

Batteries

- ✓ Full battery icon  will constantly show black (above and below the diagonal line), when battery is good.
- ✓ Low battery icon will flash empty  all white, when the battery needs replacement.

Battery Replacement:

No measurements are possible. The battery is low. Replace the battery immediately with a CR2032 lithium button cell.

- ✓ 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.
- ✓ Twist the battery cover on the back of thermometer to loosen the cover and remove the old battery. A coin works well to remove the battery cover.
- ✓ 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.
- ✓ Replace the battery cover and tighten with a coin.

Messages

- ✓ Reads **Hi**- Ambient temperature is above 390.2 degrees Fahrenheit.
- ✓ Reads **Lo** - Ambient temperature is below -27.4 degrees Fahrenheit.
- ✓ Reads **oFF** – Automatic shut off after 15 seconds.

How to select Fahrenheit/Celsius

- ✓ This thermometer will only read in Fahrenheit.

Accuracy

- ✓ Accuracy (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
- ✓ Items measured should be at least twice the diameter of the beam from the thermometer used to measure.
- ✓ Thermometer will not read thru glass to an object. It will measure the temperature of the glass.
- ✓ Dust, steam, smoke, etc. can cause errors.
- ✓ Low [batteries](#) may cause inaccurate measurements.

Can this cause radiation contamination

- ✓ No-this uses passive Radiation Thermometry –An instrument that focuses and detects the infrared radiation emitted by an object in order to determine its temperature.
- ✓ All objects emit radiation caused by the motion of the atoms of which make them. This thermal motion of atoms increases with temperature so does the radiation emitted. This is what is measured.
- ✓ There is no transmission or radiation during the measurement.
- ✓ No touch, provides accurate measurements at a variety of temperatures.

Thermometer shows dashes

- ✓ Hold the button and device steady for 2 seconds to take a measurement.
- ✓ Check the battery.

Thermometer is blank

- ✓ This unit will power off after 15 seconds. Hold the button for 2 seconds to power on.
- ✓ Remove the battery from thermometer. Press the button 20 times. Install a fresh battery.
- ✓ If the thermometer does not show lines or numbers within 30 seconds, you may need to replace the thermometer.

Thermometer is missing segments (all or part of a number is missing)

- ✓ This is generally a power related issue. The batteries may be overpowered or underpowered.
- ✓ Remove the battery from thermometer. Press the button 20 times.
- ✓ Leave the battery out of the thermometer for 1-2 hours. Install a fresh battery.
- ✓ If the thermometer does not show lines or numbers within 30 seconds, you may need to replace the thermometer.