

# ONE TOOL. ZERO TRIPS TO THE TRUCK. GET USED TO SIMPLE MATH.

The hilmor Dual Readout Thermometer is the industry's first to offer two digital readouts to simplify the calculation of superheat and subcool at the same time. And it attaches to any manifold. If you can handle the climate, your thermometer should, too.




## IMPORTANT:

Read the entire instruction manual carefully, and have a complete understanding of the tool's features, limitations and specifications before using the hilmor Dual Readout Thermometer with Clamps. hilmor products are designed and manufactured to be used by trained and licensed HVAC/R technicians. Incorrect application could result in accidents, injuries or death.

Do not expose the hilmor Dual Readout Thermometer to rain or wet conditions.

Safety glasses and gloves should be worn while using the thermometer.

## Temperature Reading Instructions:

1. Press the power button to turn on. 
2. Insert the hilmor K-style thermocouple probes (included) to measure T1 and T2 temperatures.
  - a. The smaller of the two blades is the positive end indicated by a plus icon (+). This end should be inserted into the top position on the Dual Readout Thermometer body indicated by a plus icon (+).
  - b. Subsequently, the larger of the two blades indicated by a negative icon (-), should be inserted into the bottom position on the Dual Readout Thermometer body.
3. Easily toggle between Fahrenheit and Celsius by pressing the  button.
4. To turn off the unit, press and hold the power button  for two seconds.
5. For easy and protective storage, simply wrap the thermocouple wire around the handle and secure the plug into either side of the clamp.
6. Pretty cool stuff, huh?

## Along the Way:

1. To change the batteries, remove the back door with a screwdriver and insert one AA battery. hilmor recommends brand name high-performance alkaline batteries.
2. The temperature probes are factory calibrated and ready for immediate use with the hilmor Dual Readout Thermometer. If recalibration is needed, place probes in an ice water bath. Press and hold the “+” and “-” buttons simultaneously for five seconds to enter calibration mode. Once in calibration mode, push the corresponding “+” or “-” button to adjust to 32° F (0° C). To exit calibration mode, hit the power button.
3. Although the Dual Readout Thermometer is manufactured to be used with the hilmor thermocouple clamps, different thermocouples may be paired with the hilmor tool after proper field calibration (see item 2 above for instructions).

## Technical Specifications:

<i>Display Size:</i>	1-3/8" diagonal
<i>Battery:</i>	AA × 1
<i>Battery Life:</i>	151 hours
<i>Low Battery Indicator:</i>	Display symbol on bottom of screen
<i>Auto Shut-off:</i>	After 20 minutes of inactivity (no buttons engaged)
<i>Connection:</i>	Type K
<i>Temperature Measurement:</i>	Range: -76.0° F to 999.9° F
<i>Resolution:</i>	0.1° F/C
<i>Accuracy:</i>	± 2.0° C
<i>Operating Temperature:</i>	-10° C to +50° C (LCD)
<i>Product Dimensions:</i>	Length: 1-3/4", Width: 1-5/8", Height: 3 7/8", Weight: 0.7 lbs.

## Limited Warranty:

At hilmor, we have put the highest priority on thoughtful product design and manufacturing quality. That is why we guarantee our electronic tools to be free of material and workmanship defects for a period of three years from purchase. We get the tough conditions in which you work and have designed products to stand up to those challenges. Unfortunately, this warranty does not apply to product that has been damaged as a result of improper maintenance, accident or misuse, or which fails to operate due to normal wear and tear. All warranty claims should be returned to the place of purchase. They will contact hilmor for next steps, which could include field scrap or return to the factory for analysis, and work with you on a replacement or credit. HILMOR MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE. IN NO EVENT SHALL HILMOR BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

## Technical Support:

Please contact hilmor Technical Services if you need additional product information that is not covered in this instruction manual: 1-800-642-0010.

## Warning:

To avoid electrical shock or personal injury, follow these guidelines:

- Do not use the hilmor Dual Readout Thermometer if it appears damaged.
- Replace the batteries as soon as the battery indicator appears, and properly install the + and - ends of the battery in the battery case. Do not use rechargeable batteries with this tool.
- If repairs are needed, only use replacement parts approved by hilmor Technical Service.
- If any part of the thermometer is removed or damaged, discontinue the use of the tool.

To avoid damage to the thermometer or equipment being serviced or tested, use the proper thermocouples, function and operating range laid out in this instruction manual.

See [hilmor.com](http://hilmor.com) for other languages.

**hilmor**<sup>®</sup>

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