

LAB DIGITAL STEM THERMOMETER

USER'S MANUAL



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INTRODUCTION

Thank you for purchasing General Tools & Instruments' DT310LAB Lab Digital Stem Thermometer. Please read this user's manual carefully and thoroughly before using the product.

The DT310LAB is ideal for spot-checking the temperature of laboratory solutions and specimens, soil, and ambient or forced air.

KEY FEATURES

- Wide temperature range
- Stainless steel probe
- Auto power off
- °F/°C switch
- · Plastic sheath with metal pocket clip

WHAT'S IN THE BOX

The DT310LAB comes in a white box along with this user's manual. An "LR44" button battery with an activation tab is preinstalled in the battery compartment.

OPERATING INSTRUCTIONS

Remove the thermometer from its sheath and press the **OFF/ON** button. Insert the tip of the probe at least 1/2 in. (13mm) into the solid or liquid material whose temperature you wish to measure. To measure the temperature of an airstream, place the tip of the probe in the middle of the stream.

At the factory, the DT310LAB was set to display temperature in °C. **To switch to** °**F**, press the °**C**/°**F** button. The thermometer will "remember" your last selection when it powers off and will resume using that unit upon restart. So if you always use the same unit, you will never have to press the °**C**/°**F** button again. To extend battery life, the DT310LAB has an Auto Power Off (APO) feature that automatically powers off the thermometer if no front-panel button is pushed within any span of 1 hour.

SPECIFICATIONS

Measurement Range: -58° to 302°F (-50° to 150°C) Measurement Accuracy: ±1.8°F (±1°C) between -4° and 248°F (-20° and 120°C); ±3.6°F (±2°C) elsewhere Measurement Resolution: 0.1° (F or C) Probe Length: 8.38 in. (213mm) Response Time: 1 second Auto Power Off Trigger: 1 hour of front-panel inactivity Operating Temperature: 14° to 122°F (-10° to 50°C) Power Source: 1 "LR44" battery (included)

MAINTENANCE TIPS

To replace the battery:

- 1. Open the battery compartment by twisting the black plastic cap at the end of the thermometer counterclockwise. Set the cap aside.
- 2. Extract the dead or weak battery from the compartment.
- 3. Install a fresh "LR44" or "AG13" battery in the compartment so its rounded side faces down and its flat side (with "+" and "LR44" or "AG13" markings) faces up. Press on the battery until it seats.
- 4. Replace the cap on the end of the thermometer and tighten it by turning it clockwise.

Remove the battery if you do not expect to use the thermometer for an extended period of time (months or years). Do not put the thermometer inside a conventional oven or microwave oven.

Keep the stainless steel probe clean. To clean the thermometer's plastic housing or LCD, use a dry or damp cloth. Avoid using chemical cleaners.

WARRANTY INFORMATION

General Tools & Instruments' (General's) DT310LAB Lab Digital Stem Thermometer is warranted to the original purchaser to be free from defects in material and workmanship for a period of one year. Subject to certain restrictions, General will repair or replace this instrument if, after examination, the company determines it to be defective in material or workmanship. The warranty period begins on the date of purchase. You are encouraged to register your product online. General will extend your warranty an additional 60 days if you register at www.generaltools.com/ProductRegistry.

This limited warranty does not apply to damages that General determines to be from an attempted repair by non-authorized personnel or misuse, alterations, normal wear and tear, or accidental damage. The defective unit must be returned to General Tools & Instruments or to a General-authorized service center, freight prepaid and insured.

Register now at www.generaltools.com/ProductRegistry to receive a 60-day extension to your warranty.



Specialty Tools & Instruments

RETURN FOR REPAIR POLICY

Every effort has been made to provide you with a reliable product of superior quality. However, in the event your instrument requires repair, please contact our Customer Service to obtain an RGA (Return Goods Authorization) number before forwarding the unit via prepaid freight to the attention of our Service Center at this address:

Remember to include a copy of your proof of purchase, your return address, and your phone number and/or e-mail address.

NOTES

Test Equipment Depot 1-800-517-8431

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Visit us at www.TestEquipmentDepot.com

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