



HI 98501 (Checktemp®)

Instruction Manual



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## Thank You!

Thank you for choosing a Hanna Instruments product. Please read this instruction manual carefully before using the instrument. For additional information, visit [www.hannainst.com](http://www.hannainst.com) or e-mail us at [tech@hannainst.com](mailto:tech@hannainst.com).

## Specifications

<b>Range</b>	-50.0 to 150.0 °C / -58.0 to 302 °F
<b>Resolution</b>	0.1 °C (-50.0 to 150.0 °C) 0.1 °F (-58.0 to 199.9 °F) / 1 °F (above 200 °F)
<b>Accuracy</b>	±0.2 °C (-30.0 to 120.0 °C) ±0.3 °C (outside: -50.0 to -30.0 °C and 120.0 to 150.0 °C) ±0.5 °F (-22.0 to 199.9 °F) ±1 °F (outside: -58.0 to -22.0 °F and 200 to 302 °F)
<b>Environment</b>	-30 to 50 °C (-22 to 122 °F)
<b>Battery Type</b>	1 x CR2032
<b>Battery Life</b>	approx. 2000 hours of continuous use
<b>Auto Off</b>	8 min (default), 60 min or OFF
<b>Dimensions</b>	50 x 185 x 21 mm (2 x 7.3 x 0.9")
<b>Weight</b>	50 g (1.8 oz.)
<b>Certification</b>	EN 13485:2001 - Suitability: Storage; Environment: E; Accuracy Class: 0.5; IP65

## Operation

Turn Checktemp® ON with **ON/OFF** button: all LCD segments are displayed for 1 second, and CalCheck® starts automatically to verify that Checktemp® is still accurate to its specifications. A message of "**CAL**" and "**-0-**" means that Checktemp® is within specifications and ready to be used. While measuring temperature, remember that:

- The temperature sensor is located at the tip of the stainless steel probe.
- It is necessary to wait for a few seconds for the display to stabilize.



## Meter Setup

Enter Setup to change the temperature unit (°C or °F) or to adjust the auto shut off time. To enter the Setup MODE, press the **SET** button located inside the battery compartment once for temperature unit or twice for auto shut off.

- Use the **ON/OFF** button to switch between "**°C**" or "**°F**". Press **SET** once to save and continue to auto shut off settings.
- Use the **ON/OFF** button to cycle through the following Auto Shut Off options: 8 minutes ("**d08**", default value), 60 minutes ("**d60**"), OFF ("**d--**"). Press the **SET** button once to save and continue to normal operation.

## Battery Replacement

Replace the battery when the battery symbol is blinking or when Checktemp® does not switch on. If the meter has been submerged in a liquid, make sure it has been completely dried. Check the polarity of the battery, open the compartment, and replace the battery. Close battery cover.

**Note:** Batteries should only be replaced in a safe area using the battery type specified in this instruction manual. Old batteries should be disposed in accordance with local regulations.

## Troubleshooting

Errors that may occur: A message of "**CAL**" and "**Err**" means an internal error has occurred and Checktemp® is not guaranteed to be within its specifications but may still be operational. If CalCheck® verifies Checktemp® is still accurate and the display shows "---" the temperature being measured is out of the specified range or connection to the probe has been broken. If a message of "**Err**" occurs then a calibration data read error has occurred. A message of "**Er1**" is caused by an unexpected device reset. A message of "**Er2**" occurs if internally a temperature measurement malfunctions. After these messages occur it is possible to be fixed by a reset. Turn Checktemp® OFF and then ON with the **ON/OFF** button to reset. If the error message continues to show please contact your local Hanna Office.

## Warranty

Checktemp® is guaranteed for a period of one year after date of purchase against defects in workmanship and materials when used for their intended purpose and maintained according to instructions. This warranty is limited to repair or replacement free of charge. Damage due to accidents, misuse, tampering or lack of prescribed maintenance is not covered. If service is required, contact your local Hanna Office. If under warranty, report the model number, date of purchase, serial number and the nature of the problem. If the repair is not covered by the warranty, you will be notified of the charges incurred. If the instrument is to be returned to Hanna Instruments, first obtain a Returned Goods Authorization number from the Technical Service department and then send it with shipping costs prepaid. When shipping any instrument, make sure it is properly packed for complete protection.

## Recommendations for Users

Before using Hanna Products, make sure that they are entirely suitable for your specific application and for the environment in which they are used. Operation of these instruments may cause unacceptable interferences to other electronic equipment, thus requiring the operator to take all necessary steps to correct such interferences. Batteries should only be replaced in a safe area using the battery type specified in this instruction manual. Any variation introduced by the user to the supplied equipment may degrade the instrument's EMC performance. To avoid damages or burns, do not put the instrument in microwave oven. For yours and the instrument safety do not use or store the instrument in hazardous environments.

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