

SPECIFICATIONS

HI145-00 / HI145-20

Range	-50.0 to 220 °C
Resolution	0.1 °C (-50.0 to 199.9 °C) 1 °C (200 to 220 °C)
Accuracy	± 0.3 °C ± 1 digit (-20.0 to 90.0 °C); $\pm 0.4\%$ f.s. ± 1 digit (outside)

HI145-01 / HI145-30

Range	-58.0 to 428 °F
Resolution	0.1 °F (-58.8 to 199.9 °F); 1 °F (200 to 428 °F)
Accuracy	± 0.6 °F ± 1 digit (-4.0 to 194.0 °F); $\pm 0.4\%$ f.s. ± 1 digit (outside)

Common specifications

	Stainless steel	
Probe	HI145-00/HI145-01	125 mm x dia 5 mm
	HI145-20/HI145-30	300 mm x dia 5 mm
Calibration Check	Automatic, at start-up	
Battery Type / Life	2 x 1.5 V AAA / 14.000 hours of continuous use	
Auto-off	after 8 minutes of non-use	
Environment	-10 to 50 °C (14 to 122 °F); RH max 95%	
Dimensions/ Weight	HI145-00/ HI145-01	92 x 165 x 38 mm / 76 g 3.6 x 6.5 x 1.5" / 2.9 oz
	HI145-20/ HI145-30	92 x 340 x 38 mm / 91 g 3.6 x 13.4 x 1.5" / 3.2 oz

WARRANTY

HI145-00, HI145-01, HI145-20 and HI145-30 are guaranteed for two year 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 Instruments 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 meter 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.

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IST145N 09/18

Instruction Manual

HI145-00 • HI145-01
HI145-20 • HI145-30

Rugged Thermometers
with T-shaped Handle
and Cal-Check®



 **HANNA**[®]
instruments

www.hannainst.com

Thank You

Thank you for choosing a Hanna Instruments product. Please read this instruction manual carefully before using this instrument.

For technical support, contact your local Hanna Instruments Office or email us at tech@hannainst.com.

To find your local Hanna Instruments Office or for additional information on Hanna Instruments products, visit www.hannainst.com

PRELIMINARY EXAMINATION

Remove the meter from the packing material and examine it to make sure that no damage has occurred during shipping. If there is any damage, contact your local Hanna Instruments Office.

Each meter is supplied with batteries and instructions.

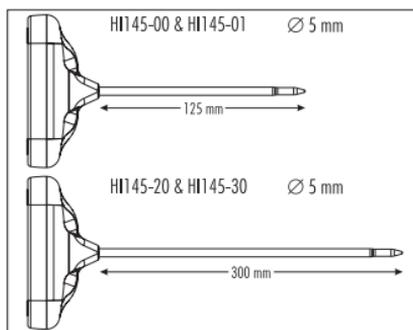
Note: Save all packing material until you are sure that the meter functions correctly. Any defective item must be returned in the original packing with the supplied accessories.

GENERAL DESCRIPTION

The **HI145** thermometer series are the ideal solution for temperature monitoring of semi-solids, such as frozen foods, as well as applications in food preparation and during cooking. The **HI145** series is equipped with the exclusive **CAL Check®** feature. When the instrument is turned on, it performs a self check of its calibration status and display it on the LCD.

HI145-00 (°C) and **HI145-01** (°F) are supplied with a 125 mm (5") long AISI 316 stainless steel probe. It has a conic sharp tip which provides fast response and improved accuracy over the entire range.

HI145-20 (°C) and **HI145-30** (°F) are supplied with a 300 mm (12") long AISI 316 stainless steel probe and are ideal for monitoring hot liquids in cooking applications, such as deep frying and soup preparation.



CALIBRATION CHECK®

Turn the meter ON by pressing **ON/OFF** button. The "CAL" message on the display indicates that the meter is performing an automatic calibration check. If the test is successful the display will show "0". If the calibration check fails and the meter requires recalibration, the display will show "Err". Contact your local Hanna Instruments Office for recalibration. It is recommended to recalibrate the thermometer once a year.

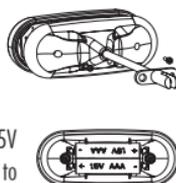
After performing the calibration check, the instrument will automatically enter the normal measurement mode.

TAKING MEASUREMENTS

- Insert the probe into the sample to be measured. Thanks to the special probe shape, the insertion even into semi-solid samples is very easy.
- Wait for a few seconds for the display to stabilize.
- To freeze the display, press the **HOLD** button. A blinking **M** appears on the right side of the LCD to indicate that reading has been memorized. Press any button to return to the normal mode.
- After use, switch the instrument off, or the meter automatically turns off after 8 minutes of non-use.

BATTERY REPLACEMENT

When the **HI145** cannot be turned ON or message "Err" appear on the display after power ON the meter, unscrew the two screws to access the battery compartment and replace the two 1.5V AAA batteries, while paying attention to their polarity. Batteries should be replaced only in a safe area and using the battery type specified in this instruction sheet.



PROTECTIVE CAP

The thermometers are supplied with a protective cap, which can also be used to hold the thermometer on the side of a vessel.



RECOMMENDATIONS FOR USERS

Before using Hanna Instruments products, make sure that they are entirely suitable for your specific application and for the environment in which they are used. Any variation introduced by the user to the supplied equipment may degrade the meter's performance. For yours and the instrument safety do not use or store the instrument in hazardous environments.

CERTIFICATION

All Hanna Instruments conform to the **CE European Directives**.



Disposal of Electrical & Electronic Equipment. The product should not be treated as household waste. Instead hand it over to the appropriate collection point for the recycling of electrical and electronic equipment which will conserve natural resources.

Disposal of waste batteries. This product contains batteries, do not dispose of them with other household waste. Hand them over to the appropriate collection point for recycling.

Ensuring proper product and battery disposal prevents potential negative consequences for the environment and human health. For more information, contact your city, your local household waste disposal service, the place of purchase or go to www.hannainst.com.



Hanna Instruments reserves the right to modify the design, construction or appearance of its products without advance notice.