

### SPECIFICATIONS

	HI 145-00 / -20 °C	HI 145-01 / -30 °F
<b>Range</b>	-50.0 to 220°C	-58.0 to 428°F
<b>Resolution</b>	0.1°C(-50.0 to 199.9°C) 1°C(200 to 220°C)	0.1°F(-58.8 to 199.9°F) 1°F (200 to 428°F)
<b>Accuracy</b>	±0.3°C (-20 to 90°C) ±0.4% FS (outside)	±0.6°F (-4 to 194°F) ±0.4% FS (outside)
<b>Typical EMC Deviation</b>	±0.3°C	±0.5°F
<b>Probe</b>	stainless steel	
<b>HI145-00/HI145-01</b>	125 mm x dia 5 mm	
<b>HI145-20/HI145-30</b>	300 mm x dia 5 mm	
<b>Battery Type</b>	1 x 1.5V AAA	
<b>Battery Life</b>	approx. 10,000 hours of continuous use	
<b>Auto-off</b>	after 8 minutes of non-use	
<b>Environment</b>	-10 to 50°C (14 to 122°F); RH 95%	
<b>Dimensions / Weight</b>		
<b>HI145-00/HI145-01</b>	92x165x38 mm / 65 g	
<b>HI145-20/HI145-30</b>	92x340x38 mm / 80 g	

### Warranty

All Hanna Instruments meters are warranted for two years 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. Damages due to accident, misuse, tampering or lack of prescribed maintenance are not covered. If service is required, contact the dealer from whom you purchased the instrument. If under warranty, report the model number, date of purchase, serial number and the nature of the failure. 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 Customer Service department and then send it with shipping costs prepaid. When shipping any instrument, make sure it is properly packaged for complete protection.

### Recommendations for Users

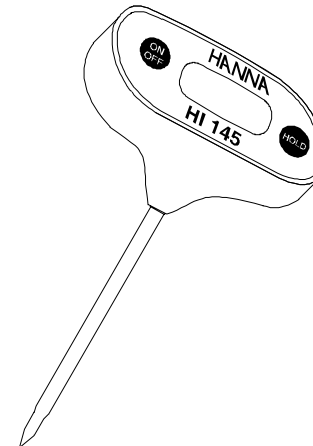
Before using this product, make sure that it is entirely suitable for the environment in which it is used. Operation of this instrument in residential areas could cause interference to radio and TV equipment. Any variation introduced by the user to the supplied equipment may degrade the instrument's EMC performance. To avoid electrical shocks, do not use this instrument when voltage at the measurement surface exceeds 24 Vac or 60 Vdc. To avoid damage or burns, do not perform any measurement in microwave ovens.

15T145P2  
06/05

## Instruction Manual

# HI 145-00 • HI 145-01 HI 145-20 • HI 145-30

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



**HANNA**<sup>®</sup>  
instruments

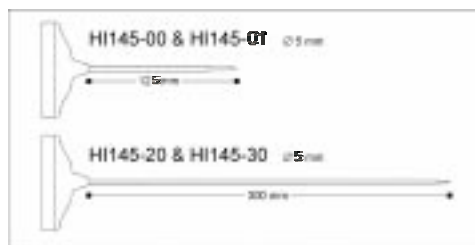
www.hannainst.com

The **HI 145** thermometer is the ideal solution for temperature monitoring of semi-solids, such as frozen foods, as well as applications, such as in food preparation and during cooking.

The **HI 145** 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 displays it on the LCD.

**HI 145-00** (°C) and **HI 145-01** (°F) are equipped 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.

**HI 145-20** (°C) and **HI 145-30** (°F) are supplied with a 300mm (12") long stainless steel probe and are ideal for monitoring hot liquids in cooking applications, such as deep frying and soup preparation.



#### **OPERATION**

- Turn the **HI 145** on. The "CAL" message on the LCD indicates that the instrument is performing an automatic calibration check. If the test is successful, the LCD will display "-0-". If the calibration check fails and the meter requires re-calibration, the LCD will display "ERR".

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

- 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 either 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.
- Variations in readings or fading display can indicate a low battery level.

#### **FACTORY CALIBRATION**

If the meter needs re-calibration, contact your dealer or the nearest Hanna service center.

It is recommended to recalibrate the thermometer once a year.

#### **BATTERY REPLACEMENT**

When the **HI 145** cannot be switched on or the display fades, unscrew the two screws to access the battery compartment and replace the 1.5V AAA battery, while paying attention to its polarity.

Battery should only be replaced in a safe area using a 1.5V AAA alkaline battery.

#### **PROTECTIVE CAP**

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

